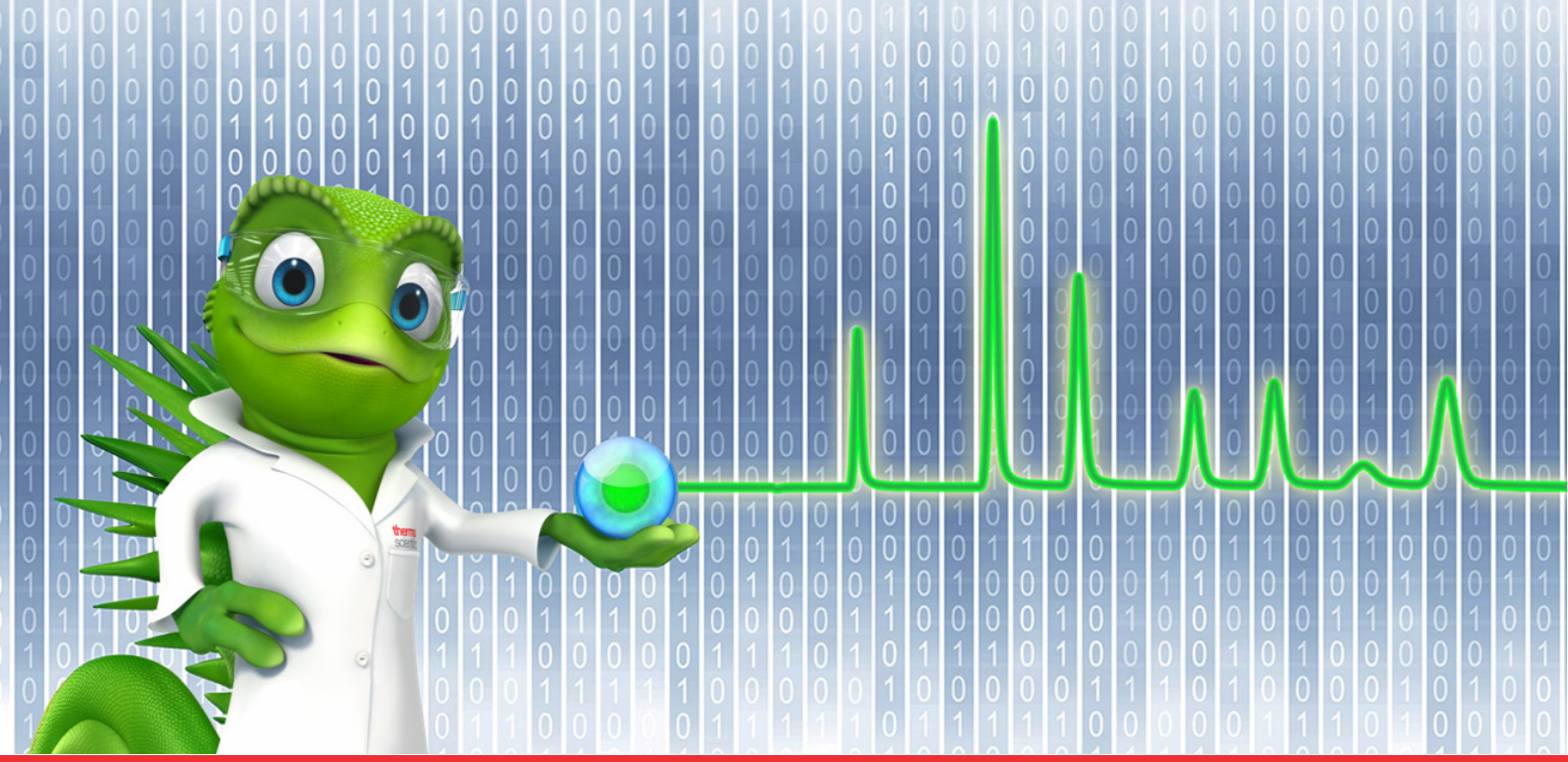

thermoscientific

List of Supported Instruments

Chromeleon 7
Chromatography Data System

Software Version 7.2.10 MUe • December 2021

thermoscientific

Copyright

Copyright © 2009-2021 Thermo Fisher Scientific Inc. All rights reserved.

Trademarks

Agilent is a trademark of Agilent Technologies.

PAL is a registered trademark of CTC Analytics AG.

ERC is a trademark of IDEX Corporation.

Fluke is a trademark of Fluke Corporation.

Gilson and NEBULA are trademarks of Gilson, Inc.

ISCO is a trademark of TELEDYNE ISCO, Inc.

Kontron is a trademark of Kontron AG.

Linear Instruments is a trademark of Linear Instruments Corporation.

Air Server-xr, TD100-xr, UNITY-xr and Kori-xr are trademarks of Markes International Ltd.

PerkinElmer and Clarus are registered trademarks of PerkinElmer Inc.

Polymer Labs and Varian are trademarks of Varian, Inc.

Rheodyne is a trademark of Rheodyne, L.P.

Shimadzu is a trademark of Shimadzu Corporation.

Shodex is a trademark of Showa Denko K.K.

URG and AIM are trademarks of URG, Inc.

Valco and VICI are trademarks of Valco Instruments Co. Inc. and VICI AG International.

ACQUITY and Waters are registered trademarks of Waters Corporation.

All other trademarks are property of Thermo Fisher Scientific Inc. and its subsidiaries.

This document contains links to third party websites that are not under the control of Thermo Fisher Scientific and Thermo Fisher Scientific is not responsible for the content on any linked site. If you access a third-party website mentioned in this document, then you do so at your own risk. Thermo Fisher Scientific provides these links only as a convenience, and the inclusion of any link does not imply that Thermo Fisher Scientific endorses or accepts any responsibility for the content on third party sites.

Thermo Fisher Scientific Inc. provides this document to its customers with a product purchase to use in the product operation. The document is copyright protected; any reproduction of the whole or any part of this document is strictly prohibited, except with the written authorization of Thermo Fisher Scientific Inc.

This manual is provided “as is”. The contents of this manual are subject to being changed, without notice, in future revisions.

Thermo Fisher Scientific Inc. makes no representations that this document is complete, accurate, or error-free. Thermo Fisher Scientific Inc. assumes no responsibility and will not be liable for any errors, omissions, damage, or loss that might result from any use of this document, even if the information in the document is followed properly.

This document is not part of any sales contract between Thermo Fisher Scientific Inc. and a purchaser. This document shall in no way govern or modify any Terms and Conditions of Sale. The Terms and Conditions of Sale shall govern all conflicting information between the two documents.

Table of Contents

1 Introduction....4
2 Thermo Scientific Devices Supported by Chromeleon 7....6
3 Thermo Scientific MS Support in Chromeleon 7....37
4 Third Party Devices Supported by Chromeleon 7....38
5 Obsolete Device Drivers....98
6 Device Drivers Available from Third Parties....100

1 Introduction

This document lists all instruments/modules that Chromeleon 7 currently supports. The following information is included:

- **Manufacturer – System/Family**: Lists the manufacturer and the name of the instrument system or family.
- **Type**: Shows the type of module (e.g. Pump, Photodiode Array Detector).
- **Model**: Provides the model number of the instrument or module.
- **Firmware**: Displays the required firmware version (depending on module, check *Chromeleon Online Help* for additional information).
  - For Thermo Scientific equipment generally, the firmware version is shipped on the installation media with the current Chromeleon version listed.
  - For third party equipment; the firmware listed is usually the version used to test the driver and as such is considered the minimum firmware requirement for Chromeleon. However, this does not necessarily imply that earlier versions of firmware are incompatible but that some limitations in functionality may be observed when using older firmware. In general, newer firmware versions are expected to work.
- **Interface Type**: Describes the type of connection used between the instrument and the PC.
- **Instrument Class**: Displays the License Class required to control the instrument in Chromeleon 7.
- **Options Required**: Displays additional licenses required to fully control the instrument and shows whether an analog-digital data converter (e.g., UCI, A2D) is required for data acquisition (important for third-party detectors).

License	Abbreviation	Description
Instrument Class 1	1	License enabling control of Thermo Scientific Instruments – included in the Instrument Controller license
Instrument Class 2	2	License enabling control of third-party GCs
Instrument Class 3	3	License enabling control of third-party LCs
3D Data Acquisition	3D	License that enables recording 3D data e.g. from Photodiode Array Detectors
Universal Chromatography Interface	UCI	Device to convert analog signals to digital signals. Also provides RS232 ports and relays.
Analog to Digital Converter	A2D	Device to convert analog signals to digital signals. It can also be used as a remote injection device and to provide relays.
GC-MS Control	GC-MS	License enabling control of GC-MS devices
LC-MS Control	LC-MS	License enabling control of LC-MS and IC-MS devices
Fraction Collection	FC	License enabling Fraction Collection

- **Required Chromeleon Version**: Displays the minimum version required to control the Instrument. If a Service Release (SR) or Maintenance Update (MU) is required, the SR or MU number is mentioned in the table.

  + Indicates the minimum recommended version (an earlier version/SR/MU may support the device, but the recommended version adds significantly better support).
- **Operating Systems**: Displays the compatible operating systems for each module.

Operating System	Abbreviation	Description
Windows 8.1 (64 bit)	8.1^{64}	Professional or Enterprise*
Windows 10 (64 bit)	10^{64}	Professional or Enterprise*

*Because the incremental features of the Enterprise edition are not relevant to Chromeleon, Thermo Fisher Scientific Inc. does not expect any problems to occur when using Chromeleon with the different Windows Enterprise versions.

Notes:

- Microsoft ended support for the Windows 7 Operating System on 14 January, 2020. Accordingly, with the release of Chromeleon 7.2.10 MUa, official support for or Windows 7 has been deprecated. However, for legacy reasons some devices in the tables below still list Windows 7 support. Those listings do not imply any official support for control under Windows 7.

- Some older and uncommon instrument modules do not list support for either Windows 8.1 or Windows 10. Based on the extensive validation on Windows 7 in the past it is anticipated, but not guaranteed, that these drivers will function correctly with Windows 10.

- **247 Instrument Controller**: Displays the model of 247 Instrument Controller and firmware version on which this instrument is supported.

Category	Abbreviation	Description
Model	TDS5	247 Instrument Controller TDS5 model
Firmware	WES7	Windows Embedded Standard 7 (64 bit)
Firmware	10	Windows LTSC 10 (1809)

Note: Changes to this document since the previous release of Chromeleon 7 are highlighted in yellow.

Caution: Consult the *Chromeleon Instrument Configuration Manager Help* for full details on licensing, cabling, and other requirements for control and data acquisition, supported functions, and limitations.

2 Thermo Scientific Devices Supported by Chromeleon 7

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific Dionex ASE	Accelerated Solvent Extraction Systems								
Dionex – ASE 350	ASE System	ASE-350	3.3.0	USB 2.0	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific Dionex ICS Autosamplers and Accessories	IC Autosamplers								
Dionex – AS	IC Autosampler	AS	2.30	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – AS-HV	IC Autosampler (high-volume)	AS-HV	-	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – AS-DV	IC Autosampler (displacement volume)	AS-DV	1.6.0	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – AS-AP	IC Autosampler (advanced performance) and Fraction Collector	AS-AP	1.9.0	USB 1.1 & self-powered hub	1	FC	7.2 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – AS-AP	Conductivity / pH Meter	AS-AP	1.0.0	USB 1.1	1	AS-AP	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex ICS Standalone Detectors and Temperature Compartment	IC Detectors and Temperature Compartment								
Dionex –PDA	Photodiode Array Detector	PDA	3.0.0	USB 1.1	1	3D	7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – PDA-100U	Photodiode Array Detector	PDA-100U	3.0.0	USB 1.1	1	3D	7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – VWD	Variable Wavelength Detector	VWD	1.60	USB 1.1	1		7.2 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – TC	Thermal Compartment	TC	2.04.01	USB	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex ICS	**Compact IC Systems**								
Dionex – ERC 10	Controller	ERC-10	1.0.0	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – ICS 600	IC System	ICS-600	3.0.0	USB 1.1	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 900	IC System	ICS 900	3.0.0	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – ICS 1000	IC System	ICS 1000	3.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – ICS 1500	IC System	ICS 1500	3.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 2000	IC System	ICS 2000	3.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 1100	IC System	ICS 1100	1.3.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – ICS 1600	IC System	ICS 1600	1.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 2100	IC System	ICS 2100	1.3.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 4000	IC System	ICS 4000	1.1.0	USB 1.1 & self-powered hub	1		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – Easion	IC System	Easion	4.0.0	USB 1.1	1		7.2.10 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – Aquion	IC System	Aquion	3.1.0	USB 1.1 & self-powered hub	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – Aquion	IC System	Aquion RFIC	3.1.0	USB 1.1 & self-powered hub	1		7.2.9 DUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – Integrion	IC System	Integrion HPIC Pump (Wellness)	6.2.0	USB 1.1 & self-powered hub	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – Integrion	IC System	Integrion HPIC System	1.7.0	USB 2.0 & self-powered hub	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex ICS-3000	Modular IC System								
Dionex – ICS 3000	Chromatography Compartment	DC Detector/ Chromatography Compartment	2.6.0	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Conductivity Detector	DC:CD	2.6.0	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Electrochemical Detector	DC:ED-DC Amp	2.6.0	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Electrochemical Detector	DC:ED-Int Amp	2.6.0	USB 2.0 & self-powered hub	1	3D	7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Pump	DP Dual Pump	6.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Pump	SP Single Pump	6.1.0	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 3000	Eluent Generator	EG Eluent Generator	1.4.0	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex ICS-5000(5000+)	Modular IC System								

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – ICS 5000	Chromatography Compartment	DC Detector / Chromatography Compartment	2.1.0	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 5000	Conductivity Detector	DC:CD	2.1.0	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 5000	Electrochemical Detector	DC:ED-DC Amp	2.1.0	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 5000	Pump	DP Dual Pump	7.0.0	USB 1.1 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS 5000	Pump	SP Single Pump	7.0.0	USB 1.1 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-5000	Eluent Generator	EG Eluent Generator	2.1.0	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex ICS-6000	Modular IC System								
Dionex – ICS-6000	Chromatography Compartment	DC Detector / Chromatography Compartment	1.2.0	USB 2.0 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Conductivity Detector	DC:CD	1.2.0	USB 2.0 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Electrochemical Detector	DC:ED-DC Amp	1.2.0	USB 2.0 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Electrochemical Detector	DC:ED-Int Amp	1.2.0	USB 2.0 & self-powered hub	1	3D	7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Consumables Device Monitor	CDM	1.1.0	USB 2.0 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Pump	DP Dual Pump	7.0.0	USB 1.1 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – ICS-6000	Pump	SP Single Pump	7.0.0	USB 1.1 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – ICS-6000	Eluent Generator	EG Eluent Generator	1.1.0	USB 2.0 & self-powered hub	1		7.2.7	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex Integral									
Dionex - Stream Selector	Stream Selector	SS	1.0.0	USB 1.1 & self-powered hub	1		7.2.9	7^{32}, 7^{64}, 8.1^{64},10^{64}	TDS5 (WES7, 10)
Dionex – Sample Preparer	Sample Preparer	SP	1.0.0	USB 1.1 & self-powered hub	1		7.2.9	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex UltiMate 3000	Pumps – 1st Generation								
Dionex – UltiMate 3000	Dual Analytical Pump, ternary	DGP-3600A	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Analytical Pump, ternary Biocompatible	DGP-3600AB	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary,	DGP-3600M	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary, Biocompatible	DGP-3600MB	3.43	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, binary	HPG-3200A	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary	HPG-3200M	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Semiprep Pump, binary	HPG-3200P	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Analytical Pump, binary	HPG-3400A	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, binary	HPG-3400M	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, isocratic	ISO-3100A	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, ternary	LPG-3300	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, ternary	LPG-3300M	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, quaternary	LPG-3400A	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, quaternary Biocompatible	LPG-3400AB	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, quaternary	LPG-3400M	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, quaternary Biocompatible	LPG-3400BM	3.43	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary	LPG-3600	3.05	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex UltiMate 3000	Pumps – 2nd Generation								
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary Biocompatible	DGP-3600BM	3.45	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Dual Rapid Separation Pump, ternary	DGP-3600RS	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Nano/Cap/Micro Pump, ternary Biocompatible, extended pressure range	DGP-3600BM	3.45	USB 2.0 & self-powered hub	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Dual Analytical Pump, ternary	DGP-3600SD	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Semi-prep Pump, Binary, Biocompatible	HPG-3200BX	3.45	USB 2.0 & self-powered hub	1		7.1DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Rapid Separation Pump, binary	HPG-3200RS	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, binary	HPG-3200SD	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Rapid Separation Pump, quaternary	HPG-3400RS	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, quaternary	HPG-3400SD	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Micro Pump, Isocratic, Biocompatible	ISO-3100BM	3.45	USB 2.0 & self-powered hub	1		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump, isocratic	ISO-3100SD	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, quaternary Biocompatible	LPG-3400BM	3.45	USB 2.0 & self-powered hub	1		7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Nano/Cap/Micro Pump, quaternary Biocompatible, extended pressure range	LPG-3400BM	3.45	USB 2.0 & self-powered hub	1		7.1DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Rapid Separation Pump, quaternary	LPG-3400RS	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pump quaternary	LPG-3400SD	3.45	USB 2.0 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	1250 bar Rapid Separation Analytical Pump, quaternary	LPG-3400XRS	5.7	USB 2.0	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – UltiMate 3000	Nano/Cap Pump, Binary	NCP-3200RS	1.45	USB 2.0 & self-powered hub	1		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano Pump, Cap Loading Pump, Column Oven	NCS-3500RS	1.45	USB 2.0 & self-powered hub	1		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano Pump, Cap Loading Pump, Column Oven, extended pressure range for loading pump	NCS-3500RS	1.45	USB 2.0 & self-powered hub	1		7.1DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	**Autosamplers**								
Dionex – UltiMate 3000	Autosampler Column Compartment	ACC-3000	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Autosampler Column Compartment, Thermostatted	ACC-3000T	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Fraction Collector	AFC-3000	1.03	USB 1.1 & self-powered hub	1	FC	7.2 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pulled Loop WP Autosampler	WPS-3000PL NANO, CAP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pulled Loop WP Autosampler, Thermostatted	WPS-3000TPL NANO, CAP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pulled Loop WP Autosampler, Biocompatible	WPS-3000BPL NANO, CAP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro Pulled Loop WP Autosampler, Thermostatted, Biocompatible	WPS-3000TBPL NANO, CAP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Pulled Loop WP Autosampler, Thermostatted, Biocompatible	WPS-3000TBPL ANALYTICAL	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Pulled Loop WP Autosampler and Fraction Collector, Thermostatted, Biocompatible	WPS-3000TBFC ANALYTICAL	4.14	USB 1.1 & self-powered hub	1	FC	7.2 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Pulled Loop WP Autosampler and Fraction Collector, Thermostatted, Biocompatible	WPS-3000TFC ANALYTICAL	4.14	USB 1.1 & self-powered hub	1	FC	7.2 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Split Loop WP Autosampler	WPS-3000SL ANALYTICAL	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Analytical Split Loop WP Autosampler, Thermostatted	WPS-3000TSL ANALYTICAL	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Analytical Split Loop WP Autosampler, Thermostatted, Biocompatible	WPS-3000TBSL ANALYTICAL	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Micro Split Loop WP Autosampler	WPS-3000SL MICRO	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Micro Split Loop WP Autosampler, Thermostatted	WPS-3000TSL MICRO	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Semi-preparative Split Loop WP Autosampler	WPS-3000SL SEMIPREP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Semi-preparative Split Loop WP Autosampler, Thermostatted	WPS-3000TSL SEMIPREP	4.14	USB 1.1 & self-powered hub	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Rapid Separation (Split Loop) WP Autosampler	WPS-3000RS	4.14	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Biocompatible Rapid Separation (Split Loop) WP Autosampler, Thermostatted	WPS-3000TBRS	4.14	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Rapid Separation (Split Loop) WP Autosampler, Thermostatted	WPS-3000TRS	4.14	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	1250 bar Rapid Separation (Split Loop) WP Autosampler, Thermostatted	WPS-3000TXRS	4.14	USB 1.1	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	LC Autosampler	OAS-3000 TXRS	4.15	LAN (Default), RS232	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific Dionex UltiMate 3000	Flow Managers and Column Ovens								
Dionex – UltiMate 3000	Nano/Cap/Micro LC Flow Manager	FLM-3100	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro LC Flow Manager	FLM-3200	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Nano/Cap/Micro LC Flow Manager	FLM-3300	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Column Oven / Thermostat	TCC-3000	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Column Oven / Thermostat	TCC-3100	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Column Oven / Thermostat	TCC-3200	2.41	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Column Oven / Thermostat	TCC-3000SD	1.32	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Column Oven / Thermostat	TCC-3000RS	1.32	USB 1.1	1		7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex UltiMate 3000	Detectors								
Dionex – UltiMate 3000	Variable Wavelength Detector	VWD-3100	4.10	USB 1.1	1		7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Variable Wavelength Detector	VWD-3400RS	4.10	USB 1.1	1		7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – UltiMate 3000	Photodiode Array Detector	DAD-3000	2.61	USB 2.0 & self-powered hub	1	3D	7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Photodiode Array Detector	DAD-3000RS	2.61	USB 2.0 & self-powered hub	1	3D	7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Photodiode Array Detector	PDA-3000	3.0.0	USB 1.1	1	3D	7.0	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Multi Wavelength Detector	MWD-3000	2.61	USB 2.0 & self-powered hub	1		7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Multi Wavelength Detector	MWD-3000RS	2.61	USB 2.0 & self-powered hub	1		7.1 DU0a+	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Fluorescence Detector	FLD-3100	1.45	USB 2.0	1	3D	7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Fluorescence Detector	FLD-3400RS	1.45	USB 2.0	1	3D	7.0 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	pH & Conductivity Monitor	PCM-3000	2.30 DAD/MWD, 3.50 VWD	USB 2.0 (via detector)	1		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex – UltiMate 3000	Electrochemical Detector	ECD-3000RS	1.10	USB	1		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Dionex Summit	Detectors and Valves								
Dionex – Summit	Pump	P680	2.66	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	LC Autosampler	ASI-100	1.22	RS232	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	LC Autosampler	GINA 50	3.0	RS232	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex – Summit	LC Autosampler	GINA 50T	3.0	RS232	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	UV Detector	UVD170U	1.10	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	Photodiode Array Detector	UVD340U	1.10	USB	1	3D	7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	Column Oven / Thermostat	TCC-100	1.04	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	Fluorescence Detector	RF-2000	9.8B	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	Refractive Index Detector	RI-101	1.19/1.09	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Summit	Valve Module	Dionex External MSV	-	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific Dionex ESA	Specialty Pumps / Detectors								
Dionex / ESA	Isocratic Pump	584 and 582	584 V1.01	RS232	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex / ESA	Charged Aerosol Detector	Corona	1.25	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex / ESA	Charged Aerosol Detector	Corona Plus	1.25	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex / ESA	Charged Aerosol Detector	Corona Ultra	1.04	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex / ESA [12]	Charged Aerosol Detector	Corona Ultra RS	2.02	USB	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dionex / ESA [12]	Charged Aerosol Detector	Corona Veo RS, Corona Veo SD	1.13	USB	1		7.2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Dionex / ESA	Electrochemical Detector	Coulochem III	3.12	USB	1		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific Dionex	Miscellaneous								
Dionex – Sharable Interfaces	A/D and RS232 interface	UCI-50	3.03	USB	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Sharable Interfaces	A/D and RS232 interface	UCI-100	3.03	USB	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – Miscellaneous	Pump, sample loading	AXP, AXP-MS		RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – General Purpose	Remote Inject			port in other driver	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – General Purpose	Assigned Relays and Inputs			port in other driver	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Dionex – General Purpose	Analog Signal Channel			port in other driver	1		7.0	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific GC Samplers	Gas Chromatography								
Thermo Scientific – AS2000	GC Autosampler	AS2000	-	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – HS2000	GC Headspace Autosampler	HS850, HS2000	-	RS232	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – AI/AS3000	GC Autosampler	AS3000, AI3000	3.05	RS232	1		7.1 SR2 MUb	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – AI/AS1310	GC Autosampler	AS1310, AI1310	3.05	RS232	1		7.1 SR2 MUb	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – AI/AS1310	GC Autosampler	AS1310, AI1310	3.07	RS232	1		7.2.8	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – AI/AS1310	GC Autosampler	AS1310, AI1310	3.08	RS232	1		7.2.10	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific FOCUS GC	Gas Chromatography								
Thermo Scientific – FOCUS GC	Gas Chromatograph	FOCUS GC	2.15	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10) [23]
Thermo Scientific – FOCUS GC	GC Detector	Flame Ionization Detector (FID)	2.15	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10) [23]
Thermo Scientific – FOCUS GC	GC Detector	Thermal Conductivity Detector (TCD)	2.15	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10) [23]
Thermo Scientific – FOCUS GC	GC Inlet	Split/Splitless	2.15	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10) [23]
Thermo Scientific TRACE 2000 GC	Gas Chromatography								
Thermo Scientific – TRACE 2000 GC	Gas Chromatograph	Trace 2000	4.01	RS232; LAN	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TRACE 2000 GC	GC Inlet	Split/Splitless		(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TRACE 2000 GC	GC Inlet	Purged/Packed column injector (PPKD)		(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TRACE 2000 GC	Electronic pressure control	Electronic pressure control of column gas flow (DPFC)	2.02	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TRACE 2000 GC	GC Detector	Flame Ionization Detector (FID)		(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TRACE 2000 GC	GC Detector	Thermal Conductivity Detector (TCD)		(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific TRACE GC Ultra	Gas Chromatography								
Thermo Scientific - TRACE GC Ultra	Gas Chromatograph	TRACE GC Ultra	5.0.0	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	Gas Chromatograph	TRACE GC Ultra	5.0.0	LAN	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	Gas Chromatograph	TRACE GC Ultra with Ultrafast Oven option	5.0.0	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	Gas Chromatograph	TRACE GC Ultra with Ultrafast Oven option	5.0.0	LAN	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Autoranging Flame Ionization Detector (FID-ar)	5.0.0	(via GC)	1		7.2 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Flame Ionization Detector (FID)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Thermal Conductivity Detector (TCD)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific - TRACE GC Ultra	GC Detector	Nitrogen Phosphorous Detector (NPD)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Flame Photometric Detector (FPD)	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Electron Capture Detector (ECD)	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Pulse Discharge Detector (PDD)	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Photoionization Detector (PID)	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Detector	Other detectors	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	Split/Splitless	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	Purged/Packed Column (PPKD)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	Packed Column (PKD)	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	On Column Inlet (OCI)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	Large Volume On Column Inlet (LVOCI)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	GC Inlet	Programmable Temperature Vaporization (PTV)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TRACE GC Ultra	Valves	Valves, including Gas Sampling Valve (GSV)	5.0.0	(via GC)	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	Aux Oven	Aux Oven	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - TRACE GC Ultra	Aux Temperature Zones	Aux Temperature Zones	5.0.0	(via GC)	1		7.2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific TRACE 1110 GC	Gas Chromatography								
Thermo Scientific - TRACE 1110 GC	GC Oven	TRACE 1110	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Main	TRACE 1110	M1.14/L1.09	USB	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	Capillary (CAP)	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	Capillary (CAP) (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	Packed	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	Packed (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	PTV	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Inlet	PTV (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	TCD	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific - TRACE 1110 GC	GC Detector	TCD (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	FID	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	FID (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	ECD	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	ECD (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	NPD	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	NPD (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	FPD	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	FPD (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	PID	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	PID (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Detector	DID	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Auxiliary Temperature Module	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Timed Event	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Methanizer	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Methanizer (EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Valve Oven	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Auxiliary	Valve Oven(EPC)	M1.14/L1.09	(via GC)	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific - TRACE 1110 GC	GC Oven Cryogenics Module	Cryogenics Module	M1.14/L1.09	(via GC)	1		7.2 SR3	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific TRACE 1300/1300E GC	Gas Chromatography								
Thermo Scientific – TRACE 1300 Series (current driver)	GC Main	TRACE1300 / 1310	7.05.14; 1.18 (HMI); 1.03 (AOI)	LAN	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Main	TRACE1300E	7.05.14; 1.18 (HMI); 1.03 (AOI)	LAN	1		7.2 SR4 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Oven	TRACE1300 / 1310	3.00.03	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Auxiliary	Auxiliary Oven	1.02	(Via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TRACE 1300 Series (current driver)	GC Inlet	Split/Splitless with and without backflush	2.03.01	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Inlet	Helium Saver Split/Splitless inlet	2.03.01	(Via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Inlet	GSV Split/Splitless inlet	2.03.01	(Via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Inlet	Programmable Temperature Vaporization (PTV) with and without backflush	1.07.03	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Flame Ionization Detector (FID)	1.08	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Flame Ionization Detector (FID) 600 Hz	5.06[16]	(Via GC)	1		7.2.10	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Thermal Conductivity Detector (TCD)	1.09	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Nitrogen Phosphorus Detector (NPD)	1.08	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Electron Capture Detector (ECD)	1.07	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Flame Photometric Detector (FPD)	1.06.01	(Via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Pulse Discharge Detector (PDD)	1.02	(Via GC)	1		7.2 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Detector	Generic Detector Interface (GDI)	1.03	(Via GC)	1		7.2 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Auxiliary	Auxiliary Carrier Module	1.04	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Auxiliary	Auxiliary Gas Module for TRACE 1300E	1.04	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TRACE 1300 Series (current driver)	GC Auxiliary	Auxiliary Temperature Module	3.04	(Via GC)	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific TriPlus Autosampler Family	Gas Chromatography								
Thermo Scientific – TriPlus Classic	GC Autosampler	TriPlus AS Classic	2.02	RS232	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus Classic	GC Headspace Autosampler	TriPlus HS Classic	2.02	RS232	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 100 LS	GC Liquid Autosampler	TriPlus 100 LS	2.0	LAN	1		7.2 MUc	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 100 LS	GC Liquid Autosampler	TriPlus 100 LS	2.0.1	LAN	1		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 100 LS	GC Liquid Autosampler	TriPlus 100 LS	2.2	LAN	1		7.2 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TriPlus 100 LS	GC Liquid Autosampler	TriPlus 100 LS	2.4	LAN	1		7.2 SR5 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TriPlus 300 HS	GC Headspace Autosampler	TriPlus 300 HS	2001.4.x	LAN	1		7.2, 7.2 Mua, 7.2 Mub, 7.2 Muc, 7.2 SR1, 7.2 SR1 Mua and 7.2 SR2 Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 300 HS	GC Headspace Autosampler	TriPlus 300 HS	2001.9.0	LAN	1		7.2 SR2 Mua, 7.2 SR3 and 7.2 SR3 Mua Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 300 HS	GC Headspace Autosampler	TriPlus 300 HS	2001.9.4-E	LAN	1		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus 500 HS	GC Headspace Autosampler	TriPlus 500 HS	Discovery FW 2.07 FW 1.00.01	LAN	1		7.2.9 DUa	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	1.4	LAN	1		7.1 SR1 Mua through 7.1 SR2 Mua Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	1.6	LAN	1		7.1 SR2 Mub, 7.1 SR3, 7.2, and 7.2 Mua Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	2.0	LAN	1		7.2 Mub, 7.2 Muc, 7.2 SR1 and 7.2 SR1 Mua Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	2.0.1	LAN	1		7.2 SR2 Only	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	2.2	LAN	1		7.2 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – TriPlus RSH	GC Autosampler	TriPlus RSH	2.4.2	LAN	1		7.2 SR5 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific	IC-MS								
Thermo Scientific LC-MS	Single Quadrupole Mass Spectrometer	MSQ Plus	VI Driver 2.0 SP4 [11]	USB	1	LC-MS	7.2 SR1	7^{32}, 10^{64}	
Thermo Scientific IC-MS	Single Quadrupole Mass Spectrometer	ISQ EC ICMS	Digital Board 230.72.99.28 Controller Interface FPGA 64; Controller Interface MCU 19; Lens Driver Base 21; Lens Driver HV 3; Pressure Controller 18; Display Board 1; RF 9; Rod Driver 3	LAN	1	LC-MS	7.2.6	7^{32}, 7^{64}, 10^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific IC-MS	Single Quadrupole Mass Spectrometer	ISQ EM ICMS	Digital Board 230.72.99.28 Controller Interface FPGA 64; Controller Interface MCU 19; Lens Driver Base 21; Lens Driver HV 3; Pressure Controller 18; Display Board 1; RF 9; Rod Driver 3	LAN	1	LC-MS	7.2.9	7^{32}, 7^{64}, 10^{64}	
Thermo Scientific	LC-MS								
Thermo Scientific LC-MS	Single Quadrupole Mass Spectrometer	Vanquish ISQ EC	Digital Board 230.72.99.28 Controller Interface FPGA 64; Controller Interface MCU 19; Lens Driver Base 21; Lens Driver HV 3; Pressure Controller 18; Display Board 1; RF 9; Rod Driver 3	LAN	1	LC-MS	7.2.6	7^{32}, 7^{64}, 10^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific LC-MS	Single Quadrupole Mass Spectrometer	Vanquish ISQ EM	Digital Board 230.72.99.28 Controller Interface FPGA 64; Controller Interface MCU 19; Lens Driver Base 21; Lens Driver HV 3; Pressure Controller 18; Display Board 1; RF 9; Rod Driver 3	LAN	1	LC-MS	7.2.9	7^{32}, 7^{64}, 10^{64}	
Thermo Scientific LC-MS	Single Quadrupole Mass Spectrometer	MSQ Plus	VI Driver 2.0 SP4 [11]	USB	1	LC-MS	7.2 SR1	7^{32}, 10^{64}	
Thermo Scientific	Liquid Chromatography								
Thermo Scientific Accela	Photodiode Array Detector	Accela PDA (20 Hz)	ROM: 2.02, App: 0.01, Pic: 0.01, Instr: 2.02	LAN	1	3D	7.1 SR2	7^{32}, 7^{64}	TDS5 (WES7)
Thermo Scientific Accela	Photodiode Array Detector	Accela PDA (80 Hz)	ROM: 3.97, App: 0,01, Pic: 0.01, Instr: 3.97	LAN	1	3D	7.1 SR2	7^{32}, 7^{64}	TDS5 (WES7)
Thermo Scientific Accela	LC Autosampler	Accela Autosampler	2.15	LAN	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific Accela	LC Autosampler	Accela Open Autosampler	4.1.3	RS232, LAN	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific Accela	Pump	Accela Pump (600 bar)	23.67e	USB	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Accela	Pump	Accela Pump (1000 bar)	12.52c	USB	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Accela	Pump	Accela Pump (1250 bar)	23.67f	USB	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Finnigan Surveyor Plus	Autosampler	Autosampler Plus [8]	2.15	LAN	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Finnigan Surveyor Plus	Pump	LC Pump Plus	Pump 2.0, Adapter 2.00	LAN	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Finnigan Surveyor	UV Detector	UV/VIS Detector	3.12	LAN	1	UCI	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Finnigan Surveyor Plus	UV Detector	UV/VIS Plus Detector	Not available	LAN	1	UCI	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Finnigan Surveyor Plus	Photodiode Array Detector	PDA Plus Detector	ROM: 2.02, App: 0.01, Pic: 0.01, Instr: 2.02	LAN	1	3D	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific - SpectraSYSTEM	LC Autosampler	AS3000, AS3500	3.31.30	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	Binary Low-pressure Pump	P2000	3.03	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	Quaternary Low-Pressure Pump	P4000	4.04.40	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	UV Detector	UV1000	3.09	RS232	1	UCI	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – SpectraSYSTEM	UV Detector	UV2000	3.12	RS232	1	UCI	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	UV Detector	UV3000	Not available	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	Photodiode Array Detector	UV6000	1.4, 1.8, ROM: 0.2	RS232	1	3D	7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – SpectraSYSTEM	Fluorescence Detector	FL2000	3.11	RS232	1		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Thermo Scientific – Modules	Fraction Collector	ASX-280-FC (VF-F11) [17]	1.03	USB 1.1 & self-powered hub	1	FC	7.2 SR5 MUd	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – Modules	Fraction Collector	ASX-280-FC (VF-F10) [17] (Cooled Version)	1.11	USB 1.1 & self-powered hub	1	FC	7.2.10	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Vanquish	**Autosamplers [24]**								
Thermo Scientific Vanquish	Autosampler	VH-A10-A [17]	2.04	USB	1		7.2 SR1 MUa	8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Autosampler	VF-A10-A [17]	2.04	USB	1		7.2 SR2 MUb	8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Autosampler	VH-A40-A [17]	2.04	USB	1		7.2.8	8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Autosampler	VF-A40-A [17]	2.04	USB	1		7.2.8	8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Autosampler	VC-A12-A [17]	2.04	USB	1		7.2.10 MUa	10^{64}	TDS5 (10)
Thermo Scientific Vanquish	Autosampler	VC-A13-A [17]	2.04	USB	1		7.2.10 MUa	10^{64}	TDS5 (10)
Thermo Scientific Vanquish	Autosampler	VN-A10-A [17, 26]	2.20	USB	1		7.2.10 MUd	10^{64}	Not supported
Thermo Scientific Vanquish	Charger	VH-A90-A [17]	1.12	RS232 over USB	1		7.2 SR1 MUa	8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific Vanquish	**Pumps [24]**								
Thermo Scientific Vanquish	Binary Pump	VH-P10-A [17]	2.03	USB	1		7.2 SR1 MUa	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Binary Pump	VF-P10-A [17]	2.03	USB	1		7.2 SR4 MUb	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Binary Pump	VC-P10-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Binary Pump	VN-P10-A [17, 26]	2.20	USB	1		7.2.10 MUd	10[64]	Not supported
Thermo Scientific Vanquish	Quaternary Pump	VF-P20-A [17]	2.03	USB	1		7.2 SR2 MUb	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Quaternary Pump	VC-P20-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Quaternary Pump	VC-P21-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Isocratic Pump	VC-P40-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Dual Pump	VF-P32-A [17]	2.03	USB	1		7.2.8	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Dual Pump	VC-P32-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Dual Pump	VC-P33-A [17]	2.03	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	**Column Compartments [24]**								
Thermo Scientific Vanquish	Column Compartment	VH-C10-A [17]	2.02	USB	1		7.2 SR1 MUa	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Column Compartment	VC-C10-A [17]	2.02	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Column Compartment	VN-C10-A [17, 26]	2.20	USB	1		7.2.10 MUd	10[64]	Not supported
Thermo Scientific Vanquish	**Detectors [24]**								

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific Vanquish	Diode Array Detector HL	VH-D10-A [17]	2.01	USB	1	3D	7.2 SR1 MUa	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Diode Array Detector FG	VF-D11-A [17]	2.01	USB	1	3D	7.2.8	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Diode Array Detector	VC-D11-A [17]	2.01	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Multiple Wavelength Detector	VC-D12-A [17]	2.01	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Charged Aerosol Detector	VH-D20-A [17]	2.01	USB	1		7.2 SR2 MUa	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Charged Aerosol Detector	VF-D20-A [17]	2.01	USB	1		7.2 SR2 MUb	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Fluorescence Detector	VF-D50-A [17]	2.02	USB	1	3D	7.2 SR2 MUb	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Fluorescence Detector	VF-D51-A [17]	2.02	USB	1	3D	7.2 SR2 MUb	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Fluorescence Detector	VC-D50-A [17]	2.02	USB	1	3D	7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Fluorescence Detector	VC-D51-A [17]	2.02	USB	1	3D	7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Variable Wavelength Detector	VF-D40-A [17]	2.01	USB	1		7.2 SR3 MUa	8.1[64], 10[64]	TDS5 (WES7, 10)
Thermo Scientific Vanquish	Variable Wavelength Detector	VC-D40-A [17]	2.01	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	**Miscellaneous [24]**								
Thermo Scientific Vanquish	Solvent Monitor	n.a.	2.02	USB	1		7.2.10 MUa	10[64]	TDS5 (10)
Thermo Scientific Vanquish	Neo System	VN-S10-A [17, 26]	-	USB, TCP/IP	1		7.2.10 MUd	10[64]	Not supported
Thermo Scientific	Miscellaneous								

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Thermo Scientific – A2D Converter (Serial numbers 0 – 014999)	Analog to digital converter	A2D	Automatic download on demand	USB	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – A2D Converter (Serial numbers 015000 - 019999)	Dual-Channel Analog to digital converter	A2D	Automatic download on demand	USB	1		7.2 SR4 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Thermo Scientific – A2D Converter (Serial numbers > 020000)	Dual-Channel Analog to digital converter	A2D	Automatic download on demand	USB	1		7.2.8	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

3 Thermo Scientific MS Support in Chromeleon 7

Drivers to control Thermo Scientific single quadrupole mass spectrometers are included in the Chromeleon distributable. Specific model and compatibility information is provided in Section 2, above.

Control of other Thermo Scientific mass spectrometers is provided by separately installed drivers. Customers with support contracts may access the following download locations for the current drivers as well as important information about model and version compatibility:

Thermo Scientific Digital Science Support Resource Center

https://support.thermoinformatics.com/login.aspx

Thermo Scientific Life Sciences Mass Spectrometry Software Download and Licensing Portal

https://thermo.flexnetoperations.com/control/thmo/login

If you do not have access to either of the above locations, please contact your local Thermo Scientific representative.

4 Third Party Devices Supported by Chromeleon 7

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent – 5890 GC	Gas Chromatograph	5890 GC Series I, II, II Plus	-	RS232	2	UCI required for Analogue acquisition, DICE card required for digital acquisition	7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Agilent – 5890 GC	GC Autosampler	7673	-	RS232	2		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	Gas Chromatograph	6850	A.03.XX	LAN	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	GC Autosampler	6850 ALS (22 and 27 vials), 7683, 7693A	-	(via GC)	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	GC Inlet	Split/Splitless (S/SL)	-	(via GC)	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	GC Inlet	Purged/Packed (PP)	-	(via GC)	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	GC Detector	Flame Ionization Detector (FID)	-	(via GC)	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6850 GC	GC Detector	Thermal Conductivity Detector (TCD)	-	(via GC)	2		7.1	7^{32}, 7^{64} [1] , 8.1^{64}	TDS5 (WES7)
Agilent – 6890 GC	Gas Chromatograph	6890, 6890 Series II	A.03.XX	LAN	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	Gas Chromatograph	6890N	N.06.07	LAN	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent – 6890 GC	GC Autosampler	7673, 7683, 7693A	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Autosampler	7693A	-	(via GC)	2		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Inlet	Split/Splitless (S/SL)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Inlet	Purged/Packed (PP)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Inlet	Cool On-Column (COC)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Inlet	Programmable Temperature Vaporization (PTV)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Detector	Flame Ionization Detector (FID)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Detector	Thermal Conductivity Detector (TCD)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Detector	Electron Capture Detector (ECD)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Detector	Nitrogen Phosphorus Detector (NPD)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 6890 GC	GC Detector	Flame Photometric Detector (FPD)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 6890 GC	GC Detector	Micro Electron Capture Detector (µ-ECD)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 6890 GC	GC Detector	Other detectors	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent - 7890 GC	Gas Chromatograph	7890A	A.01.10.3	LAN	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	Gas Chromatograph	7890B	B.02.00	LAN	2		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	Gas Chromatograph	7890 - Timebase Sharing / Dual Operation, Timed Events	A.01.10.3	LAN	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Autosampler	7683(B) Injector and tray	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Autosampler	G7693A	Min GC FW A.1.11	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Autosampler	7650A	Min GC FW A.1.11; Min GC FW B.02.00	LAN	2		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Cool On-Column (COC) with EPC	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Split/Splitless (S/SL) with EPC (standard pressure inlet version)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Split/Splitless (S/SL) with 100 EPC (standard pressure inlet version)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Split/Splitless (S/SL) with 150 EPC (high pressure inlet version)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Volatile Inlet (VI)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent - 7890 GC	GC Inlet	PTV inlet	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Multi-mode Inlet (MMI) with EPC	-	(via GC)	2		7.2.9	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Inlet	Pressure Control Module (PCM)	-	(via GC)	2		7.2.9	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Detector	Flame Ionization Detector (FID) with or without EPC	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Detector	Thermal Conductivity Detector (TCD) with or without EPC	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Detector	Micro Electron Capture Detector (uECD) with or without EPC	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – 7890 GC	GC Detector	Nitrogen-Phosphorous Detector (NPD) with or without EPC	-	(via GC)	2		7.2.9	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Auxiliary	Auxiliary pressure device (Aux EPC)	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	GC Auxiliary	Pressure Control Module (PCM)	-	(via GC)	2		7.2.10	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent - 7890 GC	Valves	Gas sampling valves (GSV), multi-position valves, switching valves, remote start valves, other valves.	-	(via GC)	2		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent – G1888	GC Headspace Autosampler	G1888	A.01.08	LAN	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent – 7697A	ICF - GC Headspace Autosampler	7697A [4]	See link [2]	LAN	2		7.2 SR4	7^{32}, 7^{64} [4] , 10^{64}[3]	TDS5 (10) [20]
Agilent Chromeleon Drivers	HPLC systems								
Agilent Chromeleon Drivers	HPLC Pump	G1310A - 1100 Isocratic Pump	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1310B - 1260 Infinity Isocratic Pump	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1311A - 1100 Series Quaternary Pump	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1311B - 1260 Infinity Quaternary Pump	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1311C - 1260 Infinity Quaternary Pump VL	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1312A - 1260 Infinity Binary Pump	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, $8.1^{32,}$ $8.1^{64,}$, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Pump	G1312B - 1260 Infinity Binary Pump SL	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1312C - 1260 Infinity Binary Pump VL	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1361A - 1260 Infinity Preparative Pump	A.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G1376A - 1260 Infinity Capillary Pump	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G2226A - 1260 Infinity Nanoflow Pump	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G4204A - 1290 Quaternary Pump	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G4220A - 1290 Infinity Binary Pump	B.06.23	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G4220B - 1290 Infinity Binary Pump VL	B.06.43	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Pump	G4302A - 1260 Infinity SFC Binary Pump	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G4782A - 1260 Infinity II SFC Binary Pump	D.07.13	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G5611A - 1260 Infinity Bio-inert Quaternary Pump	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7104A - 1290 Infinity II Flexible Pump	B.06.71	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7110B - 1260 Infinity II Isocratic Pump	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7111A - 1260 Infinity II Quaternary Pump	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7111B - 1260 Infinity II Quaternary Pump VL	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7112B - 1260 Infinity II Binary Pump	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Pump	G7120A - 1290 Infinity II High Speed Pump	B.06.71	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7161A - 1260 Infinity II Preparative Binary Pump	D.07.20	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7161B - 1290 Infinity II Preparative Binary Pump	D.07.20	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G5654A - 1290 Infinity II Bio-Inert Quaternary Pump	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Pump	G7104C - 1260 Infinity II Flexible Pump	D.07.20	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1330A/B - Thermostat for Agilent Sampler	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1313A - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1329A - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Sampler	G1329B - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1367A - 1100 Series Well-plate Sampler	A.06.31	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1367B - 1200 Series High Performance Autosampler	A.06.31	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1367C - 1200 Series High Performance Autosampler SL	A.06.31	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1367D - 1200 Series High Performance Autosampler SL+	A.06.31	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1367E - 1260 Infinity High Performance Autosampler	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1377A - 1260 Infinity High Performance Micro Autosampler	A.06.12	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G1389A - 1100 Series Micro Thermostatted Autosampler	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Sampler	G2258A - 1260 Infinity Dual-Loop Autosampler	A.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G2260A - 1260 Infinity Preparative Autosampler (High flow)	A.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G4226A - 1290 Infinity Autosampler	A.06.31	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G4303A - 1260 Infinity SFC standard autosampler	A.06.54	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G5667A - 1260 Infinity Bio-inert Autosampler	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G5668A - 1260 Infinity II Bio-inert Autosampler	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G7167A - 1260 Infinity II Multisampler	D.06.60	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G7167B - 1290 Infinity II Multisampler	D.06.60	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Sampler	G7129A - 1260 Infinity II Vialsampler	D.06.60	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G7129B - 1290 Infinity II Vialsampler	D.06.60	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G7129C - 1260 Infinity II Vialsampler	D.07.20	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Sampler	G4767A- 1260 Infinity II SFC Multisampler	D.07.13	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1314A - 1100 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1314B - 1200 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1314C - 1200 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1314D - 1200 Series Variable Wavelength Detector	B.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Detector	G1314E - 1290 Infinity Variable Wavelength Detector	B.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1314F - 1260 Infinity Variable Wavelength Detector	B.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1315A - 1100 Series Diode Array Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1315B - 1200 Series Diode Array Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1315C - 1200 Series Diode Array Detector VL+	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1315D - 1200 Series Diode Array Detector VL	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1365A - 1100 Series Multiple Wavelength Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1365B - 1100 Series Multiple Wavelength Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Detector	G1365C - 1260 Infinity Multiple Wavelength Detector	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1365D - 1260 Infinity Multiple Wavelength Detector VL	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1321A - 1100 Series Fluorescence Detector (FLD)	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1321B - 1260 Infinity Fluorescence Detector	A.06.32	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1321C - 1260 Infinity Fluorescence Detector	A.06.54	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G1362A - 1260 Infinity Refractive Index Detector	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4212A - 1290 Infinity Diode Array Detector	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4212B - 1260 Infinity Diode Array Detector	B.06.30	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Detector	G7114A - 1260 Infinity II Variable Wavelength Detector	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7114B - 1290 Infinity II Variable Wavelength Detector	D.06.70	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7115A - 1260 Infinity II Diode Array Detector WR	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7117A - 1260 Infinity II Diode Array Detector WR	D.06.70	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7117B - 1290 Infinity II Diode Array Detector FS	D.06.70	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7117C - 1260 Infinity II Diode Array Detector HS	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7121A - 1260 Infinity II Fluorescence Detector	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7121B - 1260 Infinity II Fluorescence Spectra Detector	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	HPLC Detector	G7165A - 1260 Infinity II Multi Wavelength Detector	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4260A - 380-ELSD	25.00	RS232	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4261A - 385-ELSD	25.00	RS232	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4260B - 1260 Infinity Evaporative Light Scattering Detector	31.06	RS232	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G4261B - 1290 Infinity Evaporative Light Scattering Detector	31.06	RS232 or LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7102A - 1290 Infinity II Evaporative Light Scattering Detector	31.06	RS232 or LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7162A - 1260 Infinity II Refractive Index Detector	D.06.76	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	HPLC Detector	G7162B - 1290 Infinity II Refractive Index Detector	D.06.76	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	Column Compartment	G1316A - 1260 Infinity Thermostatted Column Compartment	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Column Compartment	G1316B - 1200 Series Column Compartment SL	A.06.10	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Column Compartment	G1316C - 1200 Series Thermostatted Column Compartment SL	A.06.14	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Column Compartment	G7116A - 1260 Infinity II Multicolumn Thermostat	D.07.01	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Column Compartment	G7116B - 1290 Infinity II Multicolumn Thermostat (Host with firmware B.06.75/D.06.75 required)	C.06.70	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Column Compartment / Valve Thermostat Cluster	G7130A - Integrated Column Compartment ICC	C.06.76 / D.06.76 (Module)	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Valve Thermostat Cluster	G7116B	C.06.75 (Module); B.06.75/D.06.75 (Host Module)	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	Valve Thermostat Cluster	G1170A	C.06.75 (Module); B.06.75/D.06.75 (Host Module)	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Valve Thermostat Cluster	G1316C	A.06.55 (Module)	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Valve Thermostat Cluster	G1316A/B	A.06.10 (Module)	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1157A - 1200 Series 2-Position/10-Port Valve	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1158A - 1200 Series 2-Position/6-Port Valve	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1158B - 1200 Series 2-Position/6-Port Valve (600bar)	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1159A - 1200 Series 6-Position Selection Valve	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1160A - 1100 Series Multiple Purpose Switching Valve (12-Position/13-Port)	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	Quick Change Valves	G1162A - 1200 Series 2-Position/6-Port Micro Valve	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1163A - 1200 Series 2-Position/10-Port Micro Valve	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Quick Change Valves	G1170A - 1290 Infinity Valve Drive (Host required with firmware B.06.40/D.06.060)	C.06.40	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Other Modules	G1390A - 1100 Series Universal Interface Box (UIB)	A.06.02	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Other Modules	G1390B - 1200 Infinity Series Universal Interface Box II (Host required with B.06.53 firmware)	C.06.53	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Other Modules	G4227A - 1290 Infinity Flexible Cube (Host required with B.06.52 firmware)	C.06.52	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Other Modules	G4301A - 1260 Infinity Analytical SFC System	A.03.07	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	Other Modules	G7170B - 1290 Infinity II MS Flow Modulator (Host required with B.07.20 firmware)	C.07.20	LAN	3		7.2.8	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4286A - 1120 Compact LC Isocratic	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4287A - 1120 Compact LC Isocratic with Oven and ALS	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4287B - 1220 Infinity LC Isocratic, ALS, TCC, VWD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4288A - 1120 Compact LC Gradient	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4289A - 1120 Compact LC Gradient with Oven	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4289B - 1220 Infinity LC Gradient, ALS, TCC, VWD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4290A - 1120 Compact LC Gradient with oven and ALS	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, , 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	LC Systems	G4290B - 1220 Infinity LC Gradient, ALS, Man. Inj., TCC, VWD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4292B - 1220 Infinity LC Isocratic, ALS, VWD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4293B - 1220 Infinity LC Gradient, ALS, VWD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4294B - 1220 Infinity LC Gradient, ALS, TCC, DAD, 600 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4290C - 1220 Infinity LC System VL Gradient, ALS, TCC, VWD, 400 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	LC Systems	G4293C - 1220 Infinity LC System VL Gradient, ALS, VWD, 400 bar	B.06.50	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Additional Driver Features	External Contacts Board G1351	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Additional Driver Features	ISET G2197AA I	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent Chromeleon Drivers	Additional Driver Features	ISET G2197AA II	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Additional Driver Features	ISET G2197AA III	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent Chromeleon Drivers	Additional Driver Features	ISET G2197AA IV	N/A	LAN	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{32}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Agilent LC-ICF Drivers	HPLC systems [2]								
Agilent LC-ICF Drivers	HPLC Pump	G1310A - 1100 Isocratic Pump	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1310B - 1260 Infinity Isocratic Pump	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1311A - 1100 Series Quaternary Pump	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1311B - 1260 Infinity Quaternary Pump	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1311C - 1260 Infinity Quaternary Pump VL	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Pump	G1312A - 1260 Infinity Binary Pump	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1312B - 1260 Infinity Binary Pump SL	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1312C - 1260 Infinity Binary Pump VL	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1361A - 1260 Infinity Preparative Pump	A.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G1376A - 1260 Infinity Capillary Pump	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G2226A - 1260 Infinity Nanoflow Pump	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G4204A - 1290 Quaternary Pump	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G4220A - 1290 Infinity Binary Pump	B.06.23	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G4220B - 1290 Infinity Binary Pump VL	B.06.43	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G4302A - 1260 Infinity SFC Binary Pump	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Pump	G4782A - 1260 Infinity II SFC Binary Pump	D.07.13	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G5611A - 1260 Infinity Bio-inert Quaternary Pump	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G5654A - 1290 Infinity II Bio-Inert Quaternary Pump	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7104A - 1290 Infinity II Flexible Pump	B.06.71	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7104C - 1260 Infinity II Flexible Pump	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7110B - 1260 Infinity II Isocratic Pump	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7111A - 1260 Infinity II Quaternary Pump	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7111B - 1260 Infinity II Quaternary Pump VL	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7112B - 1260 Infinity II Binary Pump	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7120A - 1290 Infinity II High Speed Pump	B.06.71	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Pump	G7161A - 1260 Infinity II Preparative Binary Pump	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Pump	G7161B - 1290 Infinity II Preparative Binary Pump	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1313A - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1329A - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1329B - 1100 Series Standard Autosampler	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1367A - 1100 Series Well-plate Sampler	A.06.31	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1367B - 1200 Series High Performance Autosampler	A.06.31	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1367C - 1200 Series High Performance Autosampler SL	A.06.31	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1367D - 1200 Series High Performance Autosampler SL+	A.06.31	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1367E - 1260 Infinity High Performance Autosampler	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Sampler	G1377A - 1260 Infinity High Performance Micro Autosampler	A.06.12	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G1389A - 1100 Series Micro Thermostatted Autosampler	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G2258A - 1260 Infinity Dual-Loop Autosampler	A.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G2260A - 1260 Infinity Preparative Autosampler (High flow)	A.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G4226A - 1290 Infinity Autosampler	A.06.31	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G4303A - 1260 Infinity SFC standard autosampler	A.06.54	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G4767A- 1260 Infinity II SFC Multisampler	D.07.13	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G5667A - 1260 Infinity Bio-inert Autosampler	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G5668A - 1260 Infinity II Bio-inert Autosampler	D.07.13	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Sampler	G7167A - 1260 Infinity II Multisampler	D.07.13	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G7167B - 1290 Infinity II Multisampler	D.07.13	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G7129A - 1260 Infinity II Vialsampler	D.06.76	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G7129B - 1290 Infinity II Vialsampler	D.06.76	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G7129C - 1260 Infinity II Vialsampler	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Sampler	G7157A - 1290 Infinity II Preparative Autosampler	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1314A - 1100 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1314B - 1200 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1314C - 1200 Series Variable Wavelength Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1314D - 1200 Series Variable Wavelength Detector	B.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Detector	G1314E - 1290 Infinity Variable Wavelength Detector	B.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1314F - 1260 Infinity Variable Wavelength Detector	B.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1315A - 1100 Series Diode Array Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1315B - 1200 Series Diode Array Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1315C - 1200 Series Diode Array Detector VL+	B.06.30	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1315D - 1200 Series Diode Array Detector VL	B.06.30	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1365A - 1100 Series Multiple Wavelength Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1365B - 1100 Series Multiple Wavelength Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1365C - 1260 Infinity Multiple Wavelength Detector	B.06.30	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1365D - 1260 Infinity Multiple Wavelength Detector VL	B.06.30	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Detector	G1321A - 1100 Series Fluorescence Detector (FLD)	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1321B - 1260 Infinity Fluorescence Detector	A.06.32	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1321C - 1260 Infinity Fluorescence Detector	A.06.54	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G1362A - 1260 Infinity Refractive Index Detector	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G4212A - 1290 Infinity Diode Array Detector	B.06.57	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G4212B - 1260 Infinity Diode Array Detector	B.06.57	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7114A - 1260 Infinity II Variable Wavelength Detector	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7114B - 1290 Infinity II Variable Wavelength Detector	D.06.70	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7115A - 1260 Infinity II Diode Array Detector WR	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7117A - 1260 Infinity II Diode Array Detector WR	D.06.70	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Detector	G7117B - 1290 Infinity II Diode Array Detector FS	D.06.70	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7117C - 1260 Infinity II Diode Array Detector HS	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7121A - 1260 Infinity II Fluorescence Detector	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7121B - 1260 Infinity II Fluorescence Spectra Detector	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7165A - 1260 Infinity II Multi Wavelength Detector	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G4218A - 1260 Infinity Evaporative Light Scattering Detector	1.3	RS232	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G4260B - 1260 Infinity Evaporative Light Scattering Detector	32.06	RS232 LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G4261B - 1290 Infinity Evaporative Light Scattering Detector	32.06	RS232 LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7102A - 1290 Infinity II Evaporative Light Scattering Detector	32.06	RS232 LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	HPLC Detector	G7162A - 1260 Infinity II Refractive Index Detector	D.06.76	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	HPLC Detector	G7162B - 1290 Infinity II Refractive Index Detector	D.06.76	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G1316A - 1260 Infinity Thermostatted Column Compartment	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G1316B - 1200 Series Column Compartment SL	A.06.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G1316C - 1200 Series Thermostatted Column Compartment SL	A.06.14	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G7116A - 1260 Infinity II Multicolumn Thermostat	D.07.01	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G7116B - 1290 Infinity II Multicolumn Thermostat (Host with firmware B.06.75/D.06.75 required)	C.06.75	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Column Compartment	G7130A - Integrated Column Compartment ICC	C.06.76	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Valve Thermostat Cluster	G1170A	C.06.75 (Module); B.06.75/D.06.75 (Host Module)	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	Valve Thermostat Cluster	G7116B	C.06.75 (Module); B.06.75/D.06.75 (Host Module)	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Valve Thermostat Cluster	G7130A (option of G7129A/B)	D.06.76 (Module)	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Valve Thermostat Cluster	G1316C	A.06.55 (Module)	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Valve Thermostat Cluster	G1316A/B	A.06.10 (Module)	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1157A - 1200 Series 2-Position/10-Port Valve	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1158A - 1200 Series 2-Position/6-Port Valve	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1158B - 1200 Series 2-Position/6-Port Valve (600bar)	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1159A - 1200 Series 6-Position Selection Valve	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1160A - 1100 Series Multiple Purpose Switching Valve (12-Position/13-Port)	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	Quick Change Valves	G1162A - 1200 Series 2-Position/6-Port Micro Valve	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1163A - 1200 Series 2-Position/10-Port Micro Valve	A.06.02	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Quick Change Valves	G1170A - 1290 Infinity Valve Drive (Host required with firmware B.06.40/D.06.060)	C.06.40	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364A - 1100 Series Automatic Fraction Collector	A.06.53	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364B - 1260 Infinity Fraction Collector (preparative-scale)	A.06.53	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364C - 1260 Infinity Fraction Collector (analytical-scale)	A.06.53	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364D - 1100 Series Micro Fraction Collector	A.06.53	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364E - 1260 Infinity II Preparative Fraction Collector	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G1364F - 1260 Infinity II Analytical Fraction Collector	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	Fraction Collector	G5664A - 1260 Infinity Bio-inert Fraction Collector AS	A.06.53	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G5664B - 1260 Infinity II Bio-inert Fraction Collector	D.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G7159B - 1290 Infinity II Preparative Open-Bed Fraction Collector	D.07.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Fraction Collector	G7166A - 1260 Infinity II Preparative Valve-Based Collector	C.07.10	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Other Modules	G4227A - 1290 Infinity Flexible Cube (Host required with B.06.52 firmware)	C.06.52	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Other Modules	G7170B - 1290 Infinity II MS Flow Modulator (Host required with B.07.20 firmware)	C.07.20	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4286A - 1120 Compact LC Isocratic	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4287A - 1120 Compact LC Isocratic with Oven and ALS	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4287B - 1220 Infinity LC Isocratic, ALS, TCC, VWD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	LC Systems	G4288A - 1120 Compact LC Gradient	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4289A - 1120 Compact LC Gradient with Oven	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4289B - 1220 Infinity LC Gradient, ALS, TCC, VWD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4290A - 1120 Compact LC Gradient with oven and ALS	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4290B - 1220 Infinity LC Gradient, ALS, Man. Inj., TCC, VWD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4292B - 1220 Infinity LC Isocratic, ALS, VWD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4293B - 1220 Infinity LC Gradient, ALS, VWD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4294B - 1220 Infinity LC Gradient, ALS, TCC, DAD, 600 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4290C - 1220 Infinity LC System VL Gradient, ALS, TCC, VWD, 400 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	LC Systems	G4293C - 1220 Infinity LC System VL Gradient, ALS, VWD, 400 bar	B.06.50	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Agilent LC-ICF Drivers	Additional Driver Features	External Contacts Board G1351	N/A	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Additional Driver Features	ISET G2197AA I	N/A	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Additional Driver Features	ISET G2197AA II	N/A	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Additional Driver Features	ISET G2197AA III	N/A	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent LC-ICF Drivers	Additional Driver Features	ISET G2197AA IV	N/A	LAN	3		7.2	7^{32}, 7^{64}, 10^{64} [3]	TDS5 (WES7, 10) [20]
Agilent CE-ICF Drivers	CE systems [2]								
Agilent CE-ICF Drivers	CE Systems	G7150A – Capillary Electropheresis II	B.06.25	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64} [3]	
Agilent CE-ICF Drivers	CE Detector	G7151A – Diode Array Detector for CE	B.06.25	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64} [3]	
Berthold	Radioactivity Monitor	LB507/509		RS232	3		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Bruker GC	Gas Chromatograph	Varian / Bruker 3900-GC	6.18	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Bruker GC	Gas Chromatograph	Varian / Bruker / SCION 430-GC	7.0	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Bruker GC	Gas Chromatograph	Varian / Bruker / SCION 450-GC	5.07	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Dostmann	Thermometer	P550	-	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Dostmann	Thermometer	P600	-	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Dostmann	Thermometer	P650	-	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Dostmann	Thermometer	P700	-	USB	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	
ERC	Refractive Index Detector	RefractoMax 521, 523, 524	RA21E01	RS232	1		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}	
Fluke	Multimeter	189	-	RS232	1		7.1	7^{32}	
Fluke	Multimeter	289 (replaces 189)	-	RS232	1		7.1	7^{32}	
Gilson - NEBULA	LC Autosampler	215	-	RS232-GSIOC	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Gilson	LC Autosampler / Liquid Handler	221XL, 222XL, 231XL, 232XL, 233XL	-	RS232-GSIOC	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Pump	331, 332	-	RS232-GSIOC	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Pump	333, 334	-	RS232-GSIOC	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Gilson	UV Detector	151, 152	-	RS232-GSIOC	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Gilson	UV Detector	155, 156	-	RS232-GSIOC	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Valve Module	817	-	RS232-GSIOC	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Valve Module	819	-	RS232-GSIOC	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Valve Module	UVSM	-	RS232-GSIOC	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Gilson	Valve Module	ValveMate	-	RS232	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Gilson	Valve Module	ValveMate II	-	USB	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
ISCO	Fraction Collector	Foxy Junior	-	RS232	1	FC	7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
ISCO	Fraction Collector	Foxy 200	-	RS232	1	FC	7.2 SR1	7^{32}, 7^{64}, 8.1^{64}	
ISCO	Fraction Collector	Foxy R1	-	RS232	1	FC	7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Kontron	Fluorescence Detector	SFM25	-	RS232	3			7^{32}, 7^{64}, 8.1^{64}	
Linear Instruments	UV Detector	UV205 (same as TSP UV2000)	3.12	RS232	1	UCI	7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	
Linear Instruments	UV Detector	UV206 (same as TSP UV3000)	Not available	RS232	1		7.1 DU0b	7^{32}, 7^{64}, 8.1^{64}	
Markes	Thermal Desorber	TD100-xr Standard	4.5.5	USB	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
Markes	Thermal Desorber	TD100-xr Standard - Tube IS Accessory	n.a.	(via TD-100)	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
Markes	Thermal Desorber	TD100-xr Advanced	4.5.5	(via TD-100)	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
Markes	Thermal Desorber	TD100-xr Advanced - Tube IS Accessory	n.a.	(via TD-100)	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
Markes	Thermal Desorber	UNITY-xr	3.8.10	RS232	1		7.2.6	7^{32}, 7^{64}, 10^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Markes	Thermal Desorber	Air Server-xr	n.a.	(via UNITY-xr)	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
Markes	Thermal Desorber	Kori-xr	3.8.10	RS232	1		7.2.6	7^{32}, 7^{64}, 10^{64}	
PerkinElmer-AutoSystem GC	Gas Chromatograph	AutoSystem GC	1.6	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer-AutoSystem XL GC	Gas Chromatograph	AutoSystem XL GC	3.500	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 400, 480, 580 [9]	Not known	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 590 [9]	Autosystem: 6.1.051, PPC: 3.70, Autosampler: 3.1.021	RS232	2		7.2.10	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 500 [7]	Autosystem: 4.110, PPC: 3.70	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 600 [7]	Autosystem: 5.5.075, PPC: 3.70, Autosampler: 2.24	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 680 [7]	Autosystem: 7.0.086, PPC: 3.70, Autosampler: 3.0.010	RS232	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
PerkinElmer - Clarus GC	Gas Chromatograph	Clarus 690 [9]	Not known	RS232	2		7.2.10	7^{32}, 7^{64}, 8.1^{64}, 10^{64} [18]	
PerkinElmer - AutoSystem/Clarus	GC Inlet	Capillary Split/Splitless Injector (CAP)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Inlet	Gas Sampling Valve (GSV)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Inlet	Packed Column Injector (PKD)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Inlet	Programmable On-column Capillary Injector (POC)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Inlet	Programmable Split/Splitless Injector (PSS)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Detector	Electron Capture Detector (ECD)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Detector	Flame Ionization Detector (FID)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Detector	Nitrogen-Phosphorus Detector (NPD)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Detector	Thermal Conductivity Detector (TCD)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer - AutoSystem/Clarus	GC Auxiliary	Auxiliary Pressure Module (e.g. Swafer)	-	(via GC)	2		7.1 DU0a	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer – Series 200	Quarternary low-pressure pump	PE Series 200 LC Quaternary Pump	2.43	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
PerkinElmer – Series 200	Isocratic micro pump	PE Series 200 LC Micro Pump	2.43	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer – Series 200	LC Autosampler	PE Series 200 LC Autosampler	1.08	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer – Series 200	Column Oven	PE Series 200 Column Oven	2.4	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer – Series 200	UV Detector	PE Series 200 UV/Vis Detector	1.01	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer – Series 200	Photodiode Array Detector	PE Series 200 LC DAD	A6.03	RS232	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	
PerkinElmer TurboMatrix	GC HS Autosampler	TurboMatrix		RS232	2		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Polymer Labs	Evaporative Light Scattering Detector	ELS-2100	1.5.5	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Polymer Labs	Evaporative Light Scattering Detector	ELS-2100 Ice	1.5.5	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Rheodyne	Switching Valve	MX Series II Switching Valves	41	USB	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Rheodyne	Switching Valve	LabPro Valves	Not available	RS232	1		7.1	7^{32}, 7^{64}, 8.1^{64}	
Rheodyne	Switching Valve	RV/EV Valves	Not available	RS232	1		7.1	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
SCION GC	Gas Chromatograph	Varian / Bruker / SCION 430-GC	7.0	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
SCION GC	Gas Chromatograph	Varian / Bruker / SCION 450-GC	5.07	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Shimadzu LC Driver for Chromeleon	LC Systems						7.2		
Shimadzu LC Driver for Chromeleon	System Controller	CBM-20A, CBM-20A Lite	3.70		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-30AD	3.21		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-20ADXR	2.12		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-20AD	2.11		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-20AT	2.01		3		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu LC Driver for Chromeleon	Pump	LC-20Ai	1.01		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-20AB	2.01		3		7.2		
Shimadzu LC Driver for Chromeleon	Column Oven	CTO-30AS	3.10		3		7.2		
Shimadzu LC Driver for Chromeleon	Column Oven	CTO-30A	3.11		3		7.2		
Shimadzu LC Driver for Chromeleon	Column Oven	CTO-20A, CTO-20AC	2.10		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	SIL-30ACMP	3.21		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	SIL-30AC	3.22		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	SIL-20A(HT, UFLC), SIL-20AC(HT, UFLC) SIL-20AXR, SIL-20ACXR	Old board: 1.31 New board: 2.12		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	Rack Changer II	2.00		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	Rack Changer, Rack Changer C	1.11		3		7.2		
Shimadzu LC Driver for Chromeleon	Subcontroller	Subcontroller VP (Option Box VP)	5.22		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	SPD-M30A	1.04 or 4.04		3		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu LC Driver for Chromeleon	Detector	SPD-M20A	2.03		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	SPD-20A, SPD-20AV	2.03 or 3.03		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	RF-20A, RF-20AXS	2.02		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	RID-20A	1.04 or 2.04		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	AD	-		3		7.2		
Shimadzu LC Driver for Chromeleon	i-Series	LC-2030 LC-2030C LC-2030C 3D LC-2040C LC-2040C 3D LC-2030C LT LC-2040C LT LC-2040C MT LC-2040C 3D MT	2.30		3		7.2		
Shimadzu LC Driver for Chromeleon	i-Series Plus	LC-2030 Plus LC-2030C Plus LC-2030C 3D Plus LC-2040C Plus LC-2040C 3D Plus LC-2030C LT Plus LC-2040C LT Plus LC-2040C MT Plus LC-2040C 3D MT Plus	3.02		3		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu LC Driver for Chromeleon	System Controller	SCL-40, CBM-40, CBM-40lite	1.20		3		7.2		
Shimadzu LC Driver for Chromeleon	Mobile Phase Monitor	MPM-40	1.02		3		7.2		
Shimadzu LC Driver for Chromeleon	Pump	LC-40D, LC-40D XR, LC-40B XR, LC-40D XS, LC-40D X3, LC-40B X3	1.02		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	SIL-40, SIL-40C, SIL-40 XR, SIL-40C XR, SIL-40C XS, SIL-40C X3	1.05		3		7.2		
Shimadzu LC Driver for Chromeleon	Autosampler	PlateChanger	1.04		3		7.2		
Shimadzu LC Driver for Chromeleon	Column Oven	CTO-40C, CTO-40S	1.00		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	SPD-40, SPD-40V	1.02		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	RID-20A	2.04		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	RF-20A, RF-20AXS	2.02		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	CDD-10Avp	5.10		3		7.2		
Shimadzu LC Driver for Chromeleon	Detector	Optional AD Board	-		3		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu LC Driver for Chromeleon	Detector	SPD-M40	2.00		3		7.2		
Shimadzu LC Driver for Chromeleon	Mobile phase Flow line Switching valve	LPGE Unit, FCV-11AL, FCV-11ALS Recycling valve for UV detector	-		3		7.2		
Shimadzu LC Driver for Chromeleon	High pressure Flow line Switching valve	FCV-0206, FCV-0607, FCV-0206H, FCV-0607H, FCV-0206H3, FCV-0607H3	-		3		7.2		
Shimadzu LC Driver for Chromeleon	High pressure Flow line Switching valve	FCV-DR	1.02		3		7.2		
Shimadzu GC Driver for Chromeleon	GC Systems						7.2		
Shimadzu GC Driver for Chromeleon	Gas Chromatograph	GC-2030 (Nexis)	1.09 or later		2		7.2		
Shimadzu GC Driver for Chromeleon	GC Autoinjector	AOC-20i	2.10 or later		2		7.2		
Shimadzu GC Driver for Chromeleon	GC Autoinjector and Autosampler	AOC-20i+s	2.10 or later (AOC-20i) 2.40 or later (AOC-20s)		2		7.2		
Shimadzu GC Driver for Chromeleon	GC Headspace Autosampler	HS-20	1.04.03 or later		2		7.2		
Shimadzu GC Driver for Chromeleon	GC Headspace Autosampler	HS-10	1.00 or later		2		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu GC Driver for Chromeleon	GC Injection port	SPL-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Injection port	WBI-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Injection port	OCI-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Injection port	PTV-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	FID-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	TCD-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	ECD-2010 Exceed			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	FPD-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	FTD-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	BID-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	GC Detector	SCD-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	Advanced Flow Technologies(AFT)	Back flush			2		7.2		
Shimadzu GC Driver for Chromeleon	Advanced Flow Technologies(AFT)	Detector Splitting			2		7.2		

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu GC Driver for Chromeleon	Advanced Flow Technologies(AFT)	Detector Switching			2		7.2		
Shimadzu GC Driver for Chromeleon	Advanced Flow Technologies(AFT)	Heart-Cut			2		7.2		
Shimadzu GC Driver for Chromeleon	Additional heater	AUX heater			2		7.2		
Shimadzu GC Driver for Chromeleon	Additional flow	APC(Aux3ch)			2		7.2		
Shimadzu GC Driver for Chromeleon	Additional flow	APC(Aux2ch)			2		7.2		
Shimadzu GC Driver for Chromeleon	Additional flow	APC(Aux1ch)			2		7.2		
Shimadzu GC Driver for Chromeleon	Option	CRG-2030			2		7.2		
Shimadzu GC Driver for Chromeleon	Option	PRG-2010Plus			2		7.2		
Shimadzu GC Driver for Chromeleon	Option	PRG Box			2		7.2		
Shimadzu - GC 2010/GC 2010Plus	Gas Chromatograph	GC 2010/GC-2010Plus	GC-2010: 1.1150, GC-2010Plus: 2.1000	RS232	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Autoinjector	AOC-20i		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Autosampler	AOC-20s		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Inlet	Split/Splitless Injection Unit (SPL-2010)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu - GC 2010/GC 2010Plus	GC Inlet	On-column/Programmable Temperature Vaporizer Injection Unit (OCI/PTV-2010)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Flame Ionization Detector (FID)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Electron Capture Detector (ECD), (ECD-2010 Plus)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Thermal Conductivity Detector (TCD), (TCD-2010 Plus)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Flame Photometric Detector (FPD), (FPD-2010 Plus)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Flame Thermionic Detector(FTD/NPD), (FTD-2010 Plus)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Pulsed Discharge Helium Ionization Detector (PDHID)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Relays	PRG-2010 Plus		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - GC 2010/GC 2010Plus	GC Detector	Other (allows digital acquisition of 3rd party detector using AD board)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu - GC 2010/GC 2010Plus	GC Auxiliary	Auxiliary Advanced Pressure Control (AuxAPC)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	Gas Chromatograph	GC 2014	1.1150	RS232	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Autoinjector	AOC-20i		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Autosampler	AOC-20s		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Inlet	Split/Splitless Injection Unit		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Inlet	On-column/Programmable Temperature Vaporizer Injection Unit		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Inlet	Dual Packed Injection Unit		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Detector	Flame Ionization Detector (FID)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – GC 2014	GC Detector	Electron Capture Detector (ECD), (Packed ECD)		(via GC)	2		7.1 SR2 MUa	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu LC-10/20/30	HPLC								
Shimadzu – LC 10	System Controller (required)	SCL-10Avp or built-in (SIL-HTA / SIL-HTC)	5.42	RS232 [5]	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu – LC 10	Pump	LC-10AD, LC-10Ai, LC-10AT	3.10	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu – LC 10	Pump	LC10ADvp , LC-10ATvp	5.28	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Pump	LC-10AS, LC-10ASvp	5.28	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	LPG Solvent Valve Module	FCV-10AL(vp)	-	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	LPG Solvent Valve Module	FCV-11AL(S)	-	(via SCL)	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	LPGE proportioning valve	LPGE Unit	-	(via SCL)	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-HTA	6.03	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-HTC	5.32	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-10ADvp	5.32	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-10AXL	3.61	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-10A	4.10	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-10AF	4.10	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Autosampler	SIL-10Ai	4.10	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Column Oven	CTO-10A, CTO-10Avp	5.24	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu – LC 10	Column Oven	CTO-10AC, CTO-10ACvp	5.24	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Column Oven	CTO-10ASvp	5.24	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	UV-VIS Detector	SPD-10AVvp	5.23	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	UV-VIS Detector	SPD-10Avp	5.23	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	UV-VIS Detector	SPD-10A	3.00	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	UV-VIS Detector	SPD-10AV	3.00	(via SCL)	3		7.1	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Refractive Index Detector	RID-10A	3.13	(via SCL)	3		7.2 SR4	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Shimadzu – LC 10	Photodiode Array Detector	SPD-M10Avp	3.3	SCSI [4,10]	3	3D	7.1	7^{32}, 7^{64} [10]	TDS5 (WES7)
Shimadzu – LC 20	Photodiode Array Detector	SPD-M20A	1.05, 1.08, 1.10	LAN [5]	3	3D	7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC 2010	LC System	LC 2010A	1.13, 3.01	RS232 [5]	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC 2010	LC System	LC 2010C	1.13, 3.01	RS232 [5]	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	System Controller (required)	CBM-20A / CBM-20Alite	1.20	LAN / RS232	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Degasser	DGU-20AS	-	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shimadzu - LC-20A Prominence	Pump	LC-20AT	1.06	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Pump	LC-20AD	1.10	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Pump	LC-20AB	1.10	(via CBM)	3		7.2 SR5	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Pump	LC-20ADXR	1.21	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Autosampler	SIL-20A, SIL-20AC	1.04	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Autosampler	SIL-20AXR, SIL-20ACXR	1.20	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	Column Oven	CTO-20AC,CTO-20A	1.06, 1.07	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-20A Prominence	UV Detector	SPD-20AV, SPD-20A	1.04	(via CBM)	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10)
Shimadzu - LC-30A Nexera	Pump	LC-30AD	CBM-20A: 2.10, CBM-20A lite: 2.10, Pump: 2.10	(via CBM)	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	
Shimadzu - LC-30A Nexera	Autosampler	SIL-30AC	CBM-20A: 2.10, CBM-20A lite: 2.10, Pump: 2.01	(via CBM)	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	
Shimadzu - LC-30A Nexera	Column Oven	CTO-30A	CBM-20A: 2.10, CBM-20A lite: 2.10, Oven: 2.01	(via CBM)	3		7.1 SR1	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Shodex	Refractive Index Detector	RI-101, RI-102, RI-104	1.19, 1.09	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
SofTA	Evaporative Light Scattering Detector	ELSD 2300	AE31	USB	1		7.2 SR5	7^{32}, 7^{64}	
URG	Ambient Ion Monitor (AIM)	URG-9000 A, B, C, D	1.0.3	RS232	1		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Valco / VICI	Valve	2-position	I-PD-AHX88RD, I-PD-EHX88RH	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Valco / VICI	Valve	Multi-position	I-PD-AMX88RA	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Valco / VICI - Universal Electric Actuator series	Switching Valve	EUHB, EUHA	Dec 15 2011-15:02:20-UA_MAIN_CT	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Varian - Varian 38x-LC	Evaporative Light Scattering Detector	380-LC ELSD	22.02.00	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Varian - Varian 38x-LC	Evaporative Light Scattering Detector	385-LC ELSD	22.02.00	RS232	1		7.0	7^{32}, 7^{64}, 8.1^{64}	
Varian/Rainin	Cooled	SD-1	-	RS232	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	
Varian/Rainin	LC Pump	SD-200	-	RS232	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Varian/Rainin	LC Pump	SD-300	-	RS232	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Varian/Rainin	LC Pump	ProStar PrepStar 2xx	-	RS232	3		7.2 MUa	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	Gas Chromatograph	3800	3.3.5D	LAN (Coax)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Varian – Varian 3800	Gas Autosampler	8100/8200		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Autosampler	8400/8410		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Inlet	On-Column Injector (1041)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Inlet	Universal Capillary Injector (1079)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Inlet	Split/Splitless Capillary Injector (1177)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Detector	Flame Ionization Detector (FID)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Detector	Thermal Conductivity Detector (TCD)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Detector	Electron Capture Detector (ECD)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3800	GC Detector	Thermionic Specific Detector (TSD)		(via GC)	2		7.2 SR2	7^{32}, 7^{64}, 8.1^{64}	
Varian – Varian 3900 GC	Gas Chromatograph	Varian / Bruker 3900-GC	6.18	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Varian – Varian 3900 GC	Gas Chromatograph	Varian / Bruker / SCION 430-GC [25]	7.0	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Varian – Varian 3900 GC	Gas Chromatograph	Varian / Bruker / SCION 450-GC	5.07	LAN	2	(Driver not installed by default. Please launch standalone installer in the /Drivers/ folder of the Chromeleon distributable)	7.2 SR5	7^{64}, 10^{64}	
Waters	LC Separation Module	Alliance 2690/2695 (XE) Separations Module (e2695 supported via GPIB) [19]	1.20	GPIB	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7) [21]
Waters	Diode-Array Detector	996/2996	2.30	GPIB	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7) [21]
Waters	Fluorescence Detector	474		RS232	3		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}	TDS5 (WES7)
Waters [6]	Fluorescence Detector	2475	Driver Pack 2019 R1/ICS 1.73	LAN	3	3D (optional)	7.2.9	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Waters	Refractive Index Detector	2414	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters	UV Detector, 2 channels	2487	1.01	GPIB	3		7.1	7^{32}, 7^{64}, 8.1^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters [6]	UV-VIS Detector	2489	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters [6]	Diode-Array Detector	2998	Driver Pack 2019 R1/ICS 1.73	LAN	3	3D	7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Pump	Binary Solvent Manager	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	LC Autosampler	Sample Manager	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Column Oven	Column Manager	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Diode-Array Detector	PDA Detector	Driver Pack 2019 R1/ICS 1.73	LAN	3	3D	7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Evaporative Light Scattering Detcetor	ELS Detector	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	UV Detector	Tunable UV Detector	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Waters - ACQUITY [6]	Column Heater / Cooler	Column Heater / Cooler	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Sample Organizer	Sample Organizer	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters - ACQUITY [6]	Column Manager Auxiliary	Column Manager Aux	Driver Pack 2019 R1/ICS 1.73	Proprietary	3		7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY [6]	Fluorescence Detector	FLR Detector	Driver Pack 2019 R1/ICS 1.73	LAN	3	3D (optional)	7.1 SR2	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY ARC [6]	Pump	Quaternary Solvent Manager - R	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY ARC [6]	LC Autosampler	Sample Manager (FTN) - R	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2.9	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY H-Class [6]	Pump	Quaternary Solvent Manager	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY H-Class [6]	LC Autosampler	Sample Manager (FTN)	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.1 SR1	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY I-Class [6]	Pump	Binary Solvent Manager	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2 SR5	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]
Waters – ACQUITY I-Class [6]	LC Autosampler	Sample Manager (FTN)	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2 SR5	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Inst. Class	Options Required	Required Chromeleon Version	Operating Systems	247 Instrument Controller
Waters – ACQUITY I-Class [6]	LC Autosampler	Sample Manager (FL)	Driver Pack 2019 R1/ICS 1.73	LAN	3		7.2 SR5	7^{32}, 7^{64}, 10^{64}	TDS5 (WES7, 10) [22]

[1] The Agilent 6850 GC driver has not been tested on Windows 7 or Windows 8.1. Based on extensive validation on Windows XP in the past it is anticipated, but not guaranteed, that it will function correctly.

[2] Not all modules are controlled by all versions of Agilent ICF. Details of Agilent ICF instrument control support may be found at http://www.agilent.com/en-us/products/liquid-chromatography/icf and http://www.agilent.com/cs/library/usermanuals/public/DriverReleaseNoteA0214.pdf. Please also refer to the Chromeleon Release Notes for limitations on the support of some modules.

[3] Windows 10 support requires Agilent Instrument Control Framework version A.02.14 or higher.

[4] Windows 7 only. Agilent 7697 Headspace requires Agilent Instrument Control Framework: A.02.03 DU1-HF2 or higher.

[5] Uses external OCX.

[6] Waters Driver Pack based driver. Waters Driver Pack 2017 R2 required (compatible with Windows 7 and Windows 10).

[7] PerkinElmer Clarus GC's provide a number of different FW versions: Entire system (not readable via RS232), AutoSystem board, PPC sub system and Autosampler.

[8] Uses external DLL.

[9] Extended support for the PerkinElmer Clarus 400, 480, 580, 590 and 690 GC's has not been fully tested. It is anticipated, but not guaranteed, that it will function correctly.

[10] Please contact your local Shimadzu Customer Support for a driver appropriate to your operating system.

[11] This driver is compatible with Chromeleon 7.2.6 and higher and supersedes the MS Software Installation Guide recommendation regarding the MSQ

[12] At high acquisition rates (100 to 200Hz) with long run times, there is an increased risk of problems which will then lead to a sequence abort.

[16] After a TRACE 1300 GC firmware upgrade, a "Get Configuration" must be performed on any existing TRACE1300 instruments in order for the new firmware version to be stored in the configuration and option to use the 600 Hz acquisition rate to become available in Chromeleon.

[17] The model number listed and later versions (model number with suffixes e.g. -01 or -02) are supported, if not otherwise noted.

[18] The PerkinElmer Clarus 500 GC driver has been tested with Chromeleon 7.2 SR5 MUi on Windows 10. Support for the PerkinElmer Clarus 400, 480, 580, 590, 600, 680 and 690 on Windows 10 has not been tested. It is anticipated, but not guaranteed, that it will function correctly. Tests with Windows 10 and Startech PCI Multi I/O card did not reveal any differences in stability with respect to other Operating Systems. However, be aware that other Multi I/O solutions and corresponding Windows low level drivers still might have stability issues with Windows 10.

[19] It is not possible to control a column selection valve installed in a Waters Alliance 2695.

[20] Thermo Scientific 247 Instrument Controllers with Windows 10 firmware require Agilent ICF version A.02.06 Update 2 or higher to be installed.

[21] Thermo Scientific 247 Instrument Controllers with Windows 10 firmware using Keysight USB-to-GPIB adapter require IOLibSuite_18_1_26209 or later.

[22] Thermo Scientific 247 Instrument Controllers with Windows 10 firmware require Waters Driver Pack 2019 R1 to be installed.

[23] Thermo Scientific FOCUS GC control with Thermo Scientiific 247 Instrument Controller with Windows 10 firmware is only supported with USB-to-RS232 cable; a defect has been raised regarding PCIe RS232 card.

[24] For Vanquish modules firmware versions earlier than the one listed in the column “Firmware” may be supported, albeit with reduced functionality. Please refer to the Vanquish Firmware Release Notes to determine if an earlier firmware version is supported.

[25] Varian 3900 GC (Scion 430 driver): The port needs to be set to 3900 using the Star software.

[26] Support for Vanquish Neo modules requires the additional installation of the Vanquish Neo System Device Driver Package. The Vanquish Neo system driver can be downloaded at the Digital Science Support Resource Center (https://support.thermoinformatics.com/downloads/) under Chromeleon > Related Drivers.

5 Obsolete Device Drivers

The following table lists instrument drivers that are considered obsolete. In some cases, they have been superceded by newer drivers which are incompatibile with the old ones. They are included with the Chromleeon distributable for backward compatibility. However, support for these drivers is limited to a best effort as resources permit.

Manufacturer - System / Family	Type	Model	Firmware	Interface Type	Instrument Class	Options Required	Required Chromeleon Version	Operating Systems
CTC **PAL-xt Series**	Autosampler							
CTC PAL	GC Autosampler	GC PAL	2.4	RS232	2		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}
CTC PAL	GC Autosampler	GC CombiPAL	2.4	RS232	2		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}
CTC PAL	LC Autosampler	LC PAL	2.4	RS232	3		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}
CTC PAL	LC Autosampler	HTC PAL	2.4	RS232	3		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}
CTC PAL	LC Autosampler	HTS PAL	2.4	RS232	3		7.1 SR2	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific **TRACE 1300 GC (Classic Driver)**	Gas Chromatography							
Thermo Scientific – TRACE 1300 Series (classic driver)	Gas Chromatograph	TRACE 1300 / 1310	3.0	LAN	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Oven	TRACE 1300 / 1310	1.06	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Auxiliary	Auxiliary Pressure Module, Auxiliary Temperature Module	2.01	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}

Thermo Scientific – TRACE 1300 Series (classic driver)	GC Auxiliary	Auxiliary Oven	n.a.	(via GC)	1		7.1 SR2 MUb	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	HMI	TRACE 1310	1.12	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Detector	Flame Ionization Detector (FID)	1.04	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Detector	Thermal Conductivity Detector (TCD)	1.03	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Detector	Nitrogen Phosphorous Detector (NPD)	1.06	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Detector	Electron Capture Detector (ECD)	1.03	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Detector	Flame Photometric Detector (FPD)	1.0	(via GC)	1		7.1 SR2 MUb	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Inlet	Split/Splitless (with and without backflush)	2.0	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Inlet	Helium Saver Split/Splitless inlet	2.0	(via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Inlet	GSV Split/Splitless inlet	2.0	(via GC)	1		7.2 MUb	7^{32}, 7^{64}, 8.1^{64}
Thermo Scientific – TRACE 1300 Series (classic driver)	GC Inlet	Programmable Temperature Vaporization (PTV) (with and without backflush)	1.0	(via GC)	1		7.1 SR1 MUa	7^{32}, 7^{64}, 8.1^{64}

6 Device Drivers Available from Third Parties

The following table lists drivers that are developed, maintained, validated and commercialized by third parties. The drivers have been certified by Thermo Fisher Scientific to comply with the rules for Chromeleon driver development. However, Thermo Fisher Scientific takes no responsibility for the functionality of these drivers. The provider takes full responsibility for support and maintenance. The list is provided for your information, without any warranty. If you want to control any of the listed instruments, please contact the Driver Manufacturer for additional details.

Manufacturer	Type	Model	Instrument Class	Driver Manufacturer
Antec Scientific	ECD Detector	DECADE Elite DECADE Lite ROXY Exceed	3	Antec Scientific
Hitachi	HPLC system	Chromaster	3	Beyontics
Global Analyzer Solutions (GAS)	GC	GAS Compact GC 4	2	Persistent
Knauer	HPLC system	Azura	3	Knauer Wissenschaftliche Geräte GmbH
Sedere	ELS Detector	SEDEX 90LT SEDEX 85LT SEDEX 80LT SEDEX 100LT SEDEX LC & FP	3	Sedere
Superon	Thermostat	Thermos	3	Superon GmbH
Teledyne Tekmar	Purge and Trap Concentrator	Atomx XYZ	2	Teledyne Technologies, Inc.
Teledyne Tekmar	Purge and Trap Concentrator	Lumin	2	Teledyne Technologies, Inc.
Wyatt	Field Flow Fractionation	Eclipse	3	Superon GmbH

www.thermofisher.com

© 2009-2021 Thermo Fisher Scientific Inc. All rights reserved.

Thermo Fisher Scientific Inc.
168 Third Avenue
Waltham, MA 02451
USA

thermoscientific