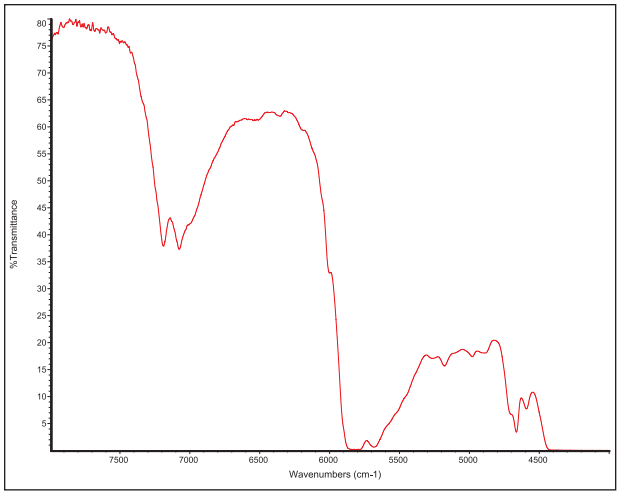
Heated NIR Transmission Accessory – *For Heated NIR Transmission Sampling*

FEATURES OF THE HEATED NIR TRANSMISSION ACCESSORY

- *Heated NIR transmission sampling from ambient to 120 °C*
- *Compatible with industry standard 6 mm glass tubes – disposable for fast analysis*
- *Compatible with most FTIR systems*



Edible oil spectrum collected using the PIKE Technologies Heated NIR Transmission Accessory

PIKE Technologies offers the Heated NIR Transmission Accessory for controlled temperature sampling. Applications include quantitative analysis of sample composition, especially where the sample needs to be at an elevated temperature to maintain its liquid state. Maintaining a precise temperature also improves the quantitative result by virtue of controlling the sample pathlength.

The Heated NIR Transmission accessory is designed for use with industry standard, disposable 6 mm glass tubes for convenience and speed of sampling. The PIKE Heated NIR Transmission accessory is available in 2 forms – single and dual RTD. The dual RTD version provides measurement of actual sample temperature in addition to the set point temperature. Temperature control is provided by PIKE Technologies Temperature Control Modules.

The PIKE Technologies Heated NIR Transmission accessory is designed to fit most FTIR spectrometers. Please contact us for more product details.

HEATED NIR TRANSMISSION ACCESSORY SPECIFICATIONS

Temperature Range	Ambient to 120 ºC
Accuracy	+/- 0.5%
Voltage	24 VAC
Sensor Type	3 wire Pt RTD (low drift, high stability)
Controller	
Digital	+/- 0.1% of set point
Digital PC	+/- 0.1% of set point, graphical setup, up to 3 ramps, USB interface
Input Voltage	110/220 V, switchable
Output Voltage	10 A / 24 VAC

ORDERING INFORMATION

Heated NIR Transmission Accessory

PART NUMBER	DESCRIPTION
110-11XX	Heated NIR Transmission Accessory, single RTD *Includes: The heated cell for 6 mm tubes and 500 6 mm glass tubes – must order temperature controller from list below*
110-12XX	Heated NIR Transmission Accessory, dual RTD *Includes: The heated cell for 6 mm tubes and 500 6 mm glass tubes – must order temperature controller from list below*

Notes: Please see the FTIR instrument code sheet.

Temperature Controllers

PART NUMBER	DESCRIPTION
076-1120	Digital Temperature Control Module, Dual RTD
076-1210	Digital Temperature Control Module, Single RTD
076-1410	Digital Temperature Control Module, Single RTD, PC Controlled

Notes: Digital Temperature Control Module, Single RTD is required to control temperature via PC and includes PIKE TempPRO software.

Heated NIR Transmission Accessory Options

PART NUMBER	DESCRIPTION
110-3010	6 mm disposable glass test tubes, 6 mm x 50 mm (500 each)

Notes: If you need options not described here, please contact us.

PIKE TECHNOLOGIES

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