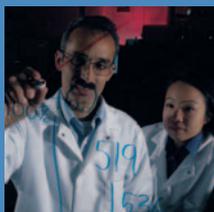


Thermo Scientific Nicolet iS10 FT-IR Spectrometer



FT-IR spectroscopy for learning environments

Teach Science, Not Software

Laboratory sessions form the core of most science courses. But time spent teaching students to use instruments, or worrying about instrument performance, is time for learning wasted. Here is an opportunity to help your students focus on the science, not the instrument.

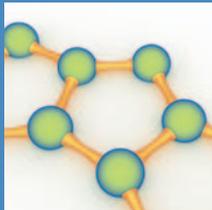
In teaching, infrared spectroscopy is a tool. Like a calculator or a projector, an FT-IR spectrometer helps students apply classroom teaching, experience active learning, and keep interest high. The tool must not get in the way. Just as burned out projector bulbs distract classes, difficult to use or unreliable spectrometers are also distractions. These are non-issues with the Thermo Scientific Nicolet™ iS™ 10 FT-IR spectrometer. We have simplified the tool so you can focus on the science.

Designed from the start with robustness and ease-of-operation as core values for the most demanding audiences, the Nicolet iS10 can simplify laboratory data collection to its most basic:

- ▶ **Load Sample.**
- ▶ **Get Spectrum.**
- ▶ **Print.**
- ▶ **Next group!**

The transmission compartment fits all of the typical transmission accessories, like salt-plate cells, flow cells or film holders. Sample introduction and cleaning of liquids, gels and pastes is even simpler using the Smart iTR ATR accessory. Gases can be analyzed using standard gas cells (up to 10 cm), right in the transmission housing. Working in the lab has never been easier.

Our expertise is at your service.



To Search Or Not To Search?

OMNIC software and the powerful new analysis program OMNIC Spectra™ give unparalleled access to spectral interpretation tools. The OMNIC interface allows you to choose the access students are permitted:

- Minimal access
 - Print out for manual analysis
- Interpretation tools
 - Assign functional groups only
- Full search
 - Search against libraries
- Full search plus deeper analysis
 - Spectra tools allow analysis of mixtures against a library of over 9000 compounds

The iS10: Workhorse In Your Lab

Industrial users require the spectrometer to have built-in performance assurance. With an internal validation wheel standard, and the Performance Verification tools, you can check over the instrument at the beginning of the semester after a summer hiatus, after a weekend, or every day to ensure it is ready to go.

“Make it easy” is another critical requirement. Using Macro\Basic, you can simplify to one button press your routine laboratory experiments, making for time teaching science, less time teaching a user interface.

But we also kept the legendary Thermo Scientific flexibility. You could teach kinetics, using the Series software add-on to OMNIC. Students can visualize the time behavior of a reaction mechanism by tracking the starting reagent and a product in 3D. There are plenty of accessories, too – like DRIFTS, specular reflectance or multi-bounce ATR. The unit is not locked on one application or one accessory – it grows with your needs.

So experience the confidence and performance of the Nicolet iS10. And spend your time where it counts – teaching science.



Convenient and quick access to desiccants allows you to keep your optics dry.

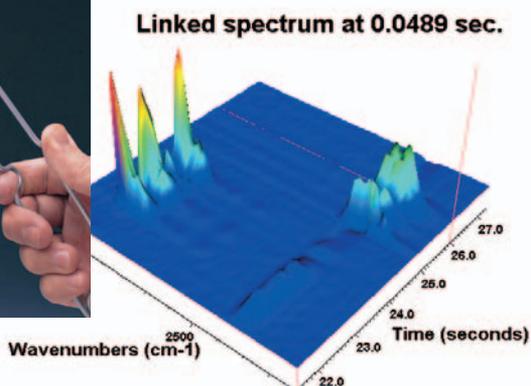


The integrated scan button panel includes a humidity indicator that immediately informs you when your desiccant needs recharging.

the Nicolet iS10
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All you need is a cigarette lighter or safety spark lighter to teach kinetics with the Nicolet iS10 and OMNIC Series software. With a speed of up to 40 scans per second, you can show butane and flame ignition chemistry in just a few seconds.



The Nicolet iS10 comes standard with:

- Sealed and desiccated optics
- Replaceable source (NIR source optional)
- Award-winning OMNIC software
- Integrated scan button
- Performance verification hardware and software
- Infrared theory tutorials
- Infrared interpretation and identification tools
- Macro developer to automate experiments
- Software to teach quantitative analysis
- Spectral libraries (1400 compounds)

The Nicolet iS10 comes standard with a universal sampling compartment for liquid and gas cells, KBr pellets and thin film holders



Ask about our Infrared Starter Kit

Ask about our OMNIC Education Package! (Multiple licenses)

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Africa +43 1 333 5034 127
Australia +61 2 8844 9500
Austria +43 1 333 50340
Belgium +32 2 482 30 30
Canada +1 800 530 8447
China +86 10 5850 3588

Denmark +45 70 23 62 60
Europe-Other +43 1 333 5034 127
France +33 1 60 92 48 00
Germany +49 6103 408 1014
India +91 22 6742 9434
Italy +39 02 950 591

Japan +81 45 453 9100
Latin America +1 608 276 5659
Middle East +43 1 333 5034 127
Netherlands +31 76 579 55 55
South Africa +27 11 570 1840
Spain +34 914 845 965

Sweden/Norway/Finland
+46 8 556 468 00
Switzerland +41 61 48784 00
UK +44 1442 233555
USA +1 800 532 4752
www.thermo.com



Thermo Electron Scientific Instruments LLC,
Madison, WI USA is ISO Certified.

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