

thermo scientific

# Thermo Scientific Nicolet iN5 FTIR Microscope

Rapid identification with  
point-and-shoot simplicity



**ThermoFisher**  
SCIENTIFIC

# See it. Scan it. Solve it.

Even the smallest of problems in your manufacturing can cost you time and money. Small contaminants and defects can lead to quality problems that may result in production line shut downs and expensive product recalls. When these issues arise, you need a tool to give you expert answers fast—without the need for an expert. The **Thermo Scientific™ Nicolet™ iN™5 FTIR microscope** is so intuitive and easy to use; you can get answers in minutes.

- **See it**—permanently-aligned optics, high-powered LED illumination, and binocular and video viewing options provide you with a clear image of your sample.
- **Scan it**—multiple collection modes (transmission, reflection and ATR) allow you to quickly obtain high quality data from your sample.
- **Solve it**—with Thermo Scientific™ OMNIC™ software, you can identify your sample with extensive databases in real-time, for quick and confident answers.



The Nicolet iN5 microscope keeps your spectrometer sample compartment free for other accessories.

Nicolet iN5 with the Thermo Scientific™ Nicolet™ iS™10 FTIR spectrometer

Multiple viewing options are available

*Shown with camera and eyepiece*



High-powered LED provides excellent illumination and years of operation

Worry-free, room-temperature DTGS or high-sensitivity MCT detector

Built-in contact alert to optimize ATR pressure for best data results

Front-facing fixed and variable apertures exchange easily to help pinpoint your FTIR analysis

Fixed objective means your microscope is always aligned and ready

Coarse and fine focus to ensure clear images

The Nicolet iN5 offers built-in system suitability tests and optional Thermo Scientific™ ValPro™ System Qualification to ensure performance and address regulatory requirements.

# When you need to know “what is this?”



## Identify foreign bodies

*Food safety*—with its rapid, spot-check contaminant identification, the Nicolet iN5 FTIR microscope helps to ensure product quality and avoid production line downtime.



## Analyze defects

*Manufacturing*—the reliable Nicolet iN5 microscope is built to handle the demands of the non-stop industrial production line to help meet quality standards and prevent costly product holds or recalls.



## New to FTIR microscopy

*Academia*—designed for easy operation, the Nicolet iN5 FTIR microscope inspires confidence for first time users, helping prepare students for the technology they will encounter when they enter the workforce.

## Walk-up simplicity

- **Easy**—as simple to use as a common stereo microscope
- **Fast**—point-and-shoot operation means you can get the answers you need in minutes
- **Reliable**—sophisticatedly simple design for maintenance-free operation



Clear  
Answers

  
**FAST**

Thermo Scientific™ Nicolet™ iS™50 FTIR spectrometer with the Nicolet iN5 microscope



## Nicolet iN5 FTIR microscope

Designed with the busy lab technician in mind, the Nicolet iN5 FTIR microscope can begin solving everyday microscopic identification problems minutes after installation. With its walk-up and use simplicity and reliable design, the Nicolet iN5 microscope will allow users to get answers for years to come. In addition, you can rely on our world-class service and support programs to keep your maintenance costs low and your productivity high.

## Family of microsampling technology

### Nicolet iN5 FTIR microscope

- Simple walk-up and use design for fast analysis
- Designed for years of worry-free operation
- Sampling flexibility with transmission, reflectance and micro-ATR

### Thermo Scientific™ Nicolet™ iN™10 FTIR microscope

- Up to three detectors for the versatility to operate in any environment
- Unique ultrafast mapping to acquire large area images quickly
- Software wizards make it easy to collect, analyze and report your sample results

### Thermo Scientific™ Nicolet™ Continuum™ infrared (IR) microscope

- Customizable for your most demanding applications
- Compensating IR optics ensure perfect matching of infrared and visible beams
- Chemical image acquisition and analysis with Thermo Scientific™ OMNIC™ Atlas™ software

Nicolet Continuum microscope and Nicolet iN10 microscope



Find out more at [www.thermofisher.com/iN5](http://www.thermofisher.com/iN5)

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