

Reach the peak
of productivity

with the Thermo Scientific™
Nicolet™ Summit™
family of FTIR Spectrometers



Models available:

Summit LITE

Summit X

Summit PRO

Summit OA

Compact, flexible performance.

Today's busy laboratories demand fast answers with high confidence. When you can't afford to slow down or make a mistake, rely on a **Thermo Scientific™ Nicolet™ Summit™ FTIR Spectrometer**. Engineered with a high-performance optical engine and paired with the revolutionary Thermo Scientific™ OMNIC™ Paradigm Software, the Nicolet Summit FTIR Spectrometer helps you identify, verify, and quantify materials faster than before.

Performance—Powered by the Thermo Scientific™ LightDrive™ Optical Engine, the Nicolet Summit Spectrometer sets the benchmark in FTIR performance and includes a 10-year warranty for X, PRO, and OA models, and a 5-year warranty for the LITE model, on the interferometer, laser, and source.

Productivity—Intuitive OMNIC Paradigm Software, an integrated multi-colored LightBar, and an optional on-board touchscreen streamline your analysis.

Connectivity—The Nicolet Summit FTIR Spectrometer includes an integrated Windows® computer and is driven with OMNIC Paradigm Software, providing a built-in data processing system with full Wi-Fi capability to keep your lab connected and your data moving as fast as you do.

The Nicolet Summit includes these features:

Compact design—Small footprint and rugged design fits neatly into any laboratory, making it ideal for multi-user QA/QC or teaching labs.

LightBar—Multi-colored LED LightBar gives you a quick visual pass/fail indication of product quality as well as instrument status at a glance.

LightDrive Optical Engine—Powerful electronics ensure years of reliable high performing data acquisition.

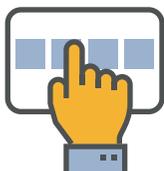
Everest ATR (optional)—Thermo Scientific™ Everest™ ATR Accessory with a dependable monolithic diamond crystal eliminates the need for sample preparation.

Built-in computer—A fully integrated Windows 10 computer powers the instrument and provides connectivity to your cloud-based or local network via Wi-Fi and Ethernet (available only with the PRO and OA models).

Touchscreen monitor (optional)—Ergonomically positioned screen provides a simplified, fast QA/QC workflow interface (available only with the PRO model).

	Summit LITE	Summit X	Summit PRO	Summit OA
LightDrive Optical Engine	•	•	•	•
Warranty of LightDrive	5-year	10-year	10-year	10-year
OMNIC Paradigm Software	•	•	•	•
Pharmacopeia Workflows	•	•	•	•
Detector	LiTaO ₃	DTGS	TEC-DTGS	DTGS
Included library spectra	850	5,000	10,000	5,000
User Interface	USB Cable	USB Cable	Integrated Computer	Integrated Computer
Wi-Fi Enabled			•	
Touchscreen available			•	
Internal Motorize Aperture			•	

Intuitive software drives projects to completion



Workflow capabilities

Quickly execute customizable workflows to simplify analysis down to just a few clicks. When you need to create a new workflow, the visual workflow builder is equipped with pre-set templates to get you started. Or, simply analyze your sample, and the software will automatically create the workflow for you when you're done.



Data integrity

Achieve the highest degree of data integrity and surpass your auditors' expectations. The database infrastructure, streamlined security software, and audit manager applications keep your data compliant and well protected. Digitally sign important files and track detailed user activity using the OMNIC Paradigm Security Suite Software.



OMNIC Paradigm Software

Take your analysis further with OMNIC Paradigm Software. Its user-friendly dashboard helps you view instrument status and recent work, process your spectra, conduct multi-component searching, and create new libraries. OMNIC Paradigm Touchscreen Software streamlines analysis, so users can measure, search, and report results while saving bench space.



OMNIC Anywhere

Stay connected to your lab from anywhere in the world. The OMNIC Anywhere Cloud-based Software platform lets you analyze data away from the instrument in a secure environment. Quickly create and submit a lab report online or share results with colleagues across the globe anywhere, anytime, and on any device.

Why should you choose a Nicolet Summit FTIR Spectrometer?

To reach your peak of productivity!

Be confident

Nicolet—The trusted standard in spectroscopy, Nicolet has been delivering best-in-class FTIR spectrometers for decades, which means we stand behind our instruments and are there to support you.

Powerful performance—Collect accurate spectra with a signal-to-noise ratio of **40,000:1** and best-in-class spectral resolution (**0.45 cm⁻¹**).

Warranty—The powerful LightDrive Optical Engine provides an unmatched 10-year warranty for X, PRO, and OA models, and a 5-year warranty for the LITE model, on the interferometer, laser, and source.

Factory-verified specifications—Don't accept "typical" signal-to-noise ratios. Specifications are proven on **100%** of our instruments before they leave the factory.

Service and support—Feel the confidence that **7,000** service engineers and **1,800** technical support personnel can provide with our Unity™ Lab Services and qualified dealer network.

Be efficient

LightBar feedback—The integrated LightBar gives you a quick visual indication of sample quality, ranging from **0–100**.

Smart Background—Automatically collect backgrounds while the instrument is idle, cutting analysis time by **50%** compared to previous generations.

Library included—OMNIC Paradigm Software includes a spectral library with up to **10,000** spectra.

Software options—Analyze data on any of the **three** software modules: OMNIC Paradigm Software, OMNIC Paradigm Touchscreen Software, or OMNIC Anywhere Cloud-based Software.

Be prepared

Standard and Advanced models—Fit performance to your needs with **four** designs: Summit LITE, Summit X, Summit PRO and Summit OA Spectrometers.

Audit-ready compliance—Software complies with Ph. Eur., USP, JP, and CP instrument tests. Software packages are available for 21 CFR Part 11 and data security.

Online help and training—Online videos, articles, and FAQ's ensure anyone can start using the spectrometer in **five** minutes or less.

Accessory flexibility—An open sample compartment gives you the freedom to choose from **100's** of sampling accessories from a variety of manufacturers.

Which Nicolet Summit FTIR Spectrometer is best for my lab?

	Summit LITE	Summit X	Summit PRO	Summit OA
I'd like to use my own PC	•	•		
I have space constraints for a PC and a monitor and/or would prefer a touchscreen			•	
I need resolution below 0.5 cm ⁻¹			•	
I have an application where I need to use horizontal trough ATR for liquids and gels all the time				•
I teach chemistry in-person and/or virtually	•	•	•	

Applications:



Chemical



Automotive



Gemstones



Polymer



Energy Storage



Environmental



Pharmaceutical



Food & Beverage



Education & Academia

Learn more at thermofisher.com/summit

thermoscientific

For research use only. Not for use in diagnostic procedures. For current certifications, visit thermofisher.com/certifications

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