

## Nicolet iS20 FTIR Spectrometer Comparison Guide

Streamline your analysis with advanced hardware, software, and optics

Achieve a new dimension in analytical power with the Thermo Scientific™ Nicolet™ iS20 FTIR Spectrometer and improve laboratory workflow with results you can trust. Compare the new Nicolet iS20 spectrometer to the previous generations and see how you can accelerate your work.

### Advantages of the Nicolet iS20 spectrometer:

- **Easy transition:** minimize transition costs by using the same software and accessories you know and rely on
- **Truly dependable:** continuous performance verification and an industry-leading 10-year warranty
- **Reproducible operation:** Integrated touch panel designed for ease of use and visual indication of instrument status
- **Rapid analysis:** superior optical performance helps you collect results 30% faster



	Nicolet 380 FTIR Spectrometer	Nicolet iS10 FTIR Spectrometer	Nicolet iS20 FTIR Spectrometer	Nicolet iS20 FTIR Spectrometer Benefit
Optical Engine	Standard design	Standard design	LightDrive	Thermo Scientific™ LightDrive™ Optical Engine assures enhanced performance and industry-leading reliability
Signal-to-noise Ratio	20,000:1	35,000:1	50,000:1	Higher sensitivity and faster analysis to identify low-concentration contaminants
Standard Spectral Resolution	0.5 cm <sup>-1</sup>	0.4 cm <sup>-1</sup>	0.25 cm <sup>-1</sup>	Superior peak shape and spectral feature definition for more reproducible and accurate results
Warranty	One year full system	One year full system 5 years on interferometer 5 years on laser 2 years on source	One year full system 10 years on interferometer 10 years on laser 10 years on source	Lowest cost of ownership and increased confidence in system reliability
Desktop Software	OMNIC	OMNIC	OMNIC plus OMNIC Specta	Seamlessly transfer SOPs and methods to the latest version of our award winning Thermo Scientific™ OMNIC™ Software
Industrial Design	Membrane Keypad	Membrane Keypad	Touch Panel with Scan Bar	Provides workflow consistency and visual feedback to maximize productivity
Wavenumber Precision	0.01 cm <sup>-1</sup>	0.01 cm <sup>-1</sup>	0.0008 cm <sup>-1</sup>	Enhanced data reproducibility, scan after scan, day after day
Regulatory Compliance	Legacy Validation Methods	Legacy Validation Methods	Improved Validation Methods	Easily navigate the ever-changing regulatory environment
Cloud Enabled?	No	No	Yes	Take your data on the go and analyze it away from the instrument, on any device, anytime using the OMNIC Anywhere App
Footprint (W x D x H mm)	500 x 580 x 230	550 x 570 x 250	550 x 570 x 250	Comparable footprint with increased capabilities



Find out more at [thermofisher.com/iS20](https://thermofisher.com/iS20)

**For Research Use Only. Not for use in diagnostic procedures.** ©2020 Thermo Fisher Scientific Inc.  
All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.  
FL53028\_E 0420 M