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Proven Magna-IR E.S.P. FT-IR Spectrometers



Nicolet's Magna-IR E.S.P. spectrometers once again raise the standard for FT-IR spectrometers. Smart new E.S.P. technology empowers the Magna-IR spectrometer system to set up and monitor its own operation, so you don't have to. Plus E.S.P. offers continuous feedback on system status and spectral quality, step-by-step guidance from data collection through reporting and on-line tutorials on subjects from FT-IR theory to collecting a sample. It is like having a dedicated spectroscopy expert in your laboratory everyday!

E.S.P. stands for Enhanced Synchronization Protocol. It is this synchronization of information between the computer, spectrometer and accessory that makes snap-in experimentation possible Magna-IR E.S.P. FT-IR spectrometers. Nicolet and Spectra-Tech have created a family of E.S.P. accessories that provide automatic accessory recognition and experiment option and parameter set-up for use in these systems: Spectra-Tech's popular ARK and Single Bounce ATR accessories are currently available as are a transmission cell and a blank accessory baseplate you can set to your own custom experiment!

Magna-IR E.S.P. Series performance features include:

- Operation under the award winning OMNIC software platform
- Better than 0.09 cm⁻¹ spectral resolution
- Fiber optic capabilities
- Superior signal-to-noise performance

- Expanded spectral domains

Magna-IR E.S.P. Series spectrometers give you experimental flexibility with:

- FT-Raman accessory module
 - Nicolet/Spectra-Tech FT-IR microscopes
 - GC/IR and TGA/IR interfaces
 - A full range of standard, dedicated and automated accessories
-

Advanced Experimental Capabilities with the Magna-IR 860 E.S.P.



The new Magna-IR 860 E.S.P. maximizes FT-IR performance for research-grade instruments with an unsurpassed number of advanced features including:

- Dual channel spectroscopy capabilities
- Multiple DSP's provide data collection and signal control, eliminating the need for external lock-in amplifiers

The Magna-IR 860 E.S.P. offers complete performance capabilities for several research applications including:

- Polarization modulation infrared reflection absorption spectroscopy (PM-IRRAS) capabilities
- Vibrational circular dichroism (VCD) capabilities
- Vibrational linear dichroism (VLD) capabilities



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