

IA30 FTIR SPECTROMETER

Precise and reliable FTIR spectroscopy for molecular identification and analysis

A benchtop easy-to-use FTIR spectrometer with intuitive modern software for molecular identification and analysis.



KEY FEATURES

- > High sensitivity and spectral resolution
- > Simple to operate
- > Maintenance-free design
- > Modern Miracle® PC software

APPLICATIONS



SPECIFICATIONS

Standard System	Spectral Range	8,000 - 350 cm ⁻¹
	Sensitivity	SNR ≥ 20,000:1
	Resolution	0.5 cm ⁻¹ , 1 cm ⁻¹ , 2 cm ⁻¹ , 4 cm ⁻¹ , 8 cm ⁻¹ , 16 cm ⁻¹ , 32 cm ⁻¹
	Accuracy	0.5 cm ⁻¹
	Source	High-intensity ceramic source
	Detector	DLaTGS
	Beamsplitter	Germanium coated KBr
	Hygroscopic Integrity	Integrated desiccants, electronic dry-membrane, embedded LCD and software hygrometers for maintenance-free operation
	Windows	KBr window exchangeable by user
Sample Accessories	Transmission Sample Holder	Compatible with films and cuvettes
	Attenuated Total Reflectance (ATR)	Basic and advanced ATR models available with a choice of crystal (Diamond, Ge, ZnSe)
	Others	Diffuse reflectance, custom and third-party accessories available
Software	Miracle	Powerful and intuitive software for data acquisition, analysis and presentation, full control of all interferometer, amplifier, temperature and humidity monitoring