

LT-4100 FT-IR SPECTROPHOTOMETERS



PRODUCT FEATURES

- ✓ Humidity digital display window.
- ✓ Total sealed optical system
- ✓ High stable components
- ✓ Powerfull intelligent software

ACCESSORIES

- ✓ Thin Standard Film
- ✓ KBr Die Set
- ✓ Hydraulic press 15 Ton
- ✓ Pallet Holder
- ✓ KBr Powder
- ✓ Liquid cell holder
- ✓ Software CD
- ✓ USB Cable
- ✓ Tool Kit
- ✓ Manual
- ✓ Dust Cover

OPTIONAL ACCESSORIES

- ✓ ATR
- ✓ Intelligent electronics moisture proof cabinet



TECHNICAL SPECIFICATIONS

Wave number Range	7800 ~ 375 cm ⁻¹
Interferometer	Michelson interferometer with 30 degrees of incidence angle
100% line tilt range	Better than 0.5% 2200~1900cm ⁻¹
Resolution	1 cm ⁻¹
Wave Number Repeatability	1 cm ⁻¹
Wave Number Accuracy	0.01 cm ⁻¹
Signal Noise Ratio	30000:1 (DLATGS, resolution@4cm ⁻¹ . Sample and background scan for 1 min@2100cm ⁻¹)
Detector	High resolution DLATGS detector with Moisture-proof coating
Beamsplitter	KBr coated with Ge (Made in USA)
Light Source	Long life, air cooled IR light source (Made in USA)
Electronic System	A/D converter of 24 bits at 500MHz, USB 2.0
Power	110-220V AC, 50-60Hz
Dimension	450mm×350mm×235 mm
Weight	14Kg