

## IV-4100 FT-IR SPECTROPHOTOMETERS

### PRODUCT FEATURES

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

### OPTIONAL ACCESSORIES

- ATR
- Intelligent electronics moisture proof cabinet

### 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



### Technical specification

|                           |   |
|---------------------------|---|
| Wave number Range         | 7800 - 375 cm <sup>-1</sup>   |
| Interferometer            | Michelson interferometer with 30 degrees of incidence angle   |
| 100% line tilt range      | Better than 0.5% 2200~1900cm <sup>-1</sup>  |
| Resolution                | 1 cm <sup>-1</sup>  |
| Wave Number Repeatability | 1 cm <sup>-1</sup>  |
| Wave Number Accuracy      | 0.01 cm <sup>-1</sup>   |
| Signal Noise Ratio        | 30000:1 (DLATGS, resolution@4cm <sup>-1</sup> . Sample and background scan for min@2100cm <sup>-1</sup> ) |
| 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   |