



Basic Specifications

Component	Specification
Interferometer	Cube-corner Michelson interferometer
Beam splitter	Multilayer Ge coated KBr
Detector	Room temperature DLATGS module (standard)
IR Source	High intensity, long lifetime, air-cooled IR source
Wavenumber Range	7800cm ⁻¹ ~350cm ⁻¹
Resolution	0.85 cm ⁻¹
Signal to noise ratio	Better than 20,000:1 (RMS value, at 2100cm ⁻¹ ~ 2000cm ⁻¹ or 2100cm ⁻¹ ~ 2200cm ⁻¹ , resolution: 4cm ⁻¹ , detector: DLATGS, 1 minute data collection)

Wavenumber Accuracy	±0.01 cm ⁻¹
Scanning Speed	Microprocessor control, different scanning speed selectable.
Software	Main FTWin Suite software workstation, compatible to all version Windows OS (Including Windows 10 Touch Screen)
Communication	Ethernet interface (standard) WIFI wireless communication (optional)
Data Output	Standard data format, report generation and output
Status Diagnosis	Power on self check, real-time temperature and humidity monitoring and reminders
Certification	FDA 21 CFR Part11 compliance, IQ/OQ/PQ (Available as an Accessory)
Environment Conditions	Temperature: 10°C~30°C, humidity: less than 70%
Power Supply	220V±22V, 50Hz±1Hz 110v 50Hz±1Hz
Accessories	Comprehensive Range of Sccessories & Starter kits
Dimensions & Weight	520 x 435 x 255mm, 24kg