

FT-IR Spectrometer



- Features:**
- * High sensitivity optical system
 - * High stability modular partition design
 - * Intelligent multi-sealed moisture-proof design
 - * Innovated integration electronic system
 - * Good anti-electromagnetic interference capability
 - * High intensity IR source

Technical Parameters:

Model	BKFT-530A	BKFT-530APro
Detector	LiTaO ₃	DLATGS
Signal to Noise Ratio	Better than 20,000:1 (RMS value, at 2100cm ⁻¹ ~2200cm ⁻¹ , resolution: 4cm ⁻¹ , 1 minute data collection)	Better than 40,000:1 (RMS value, at 2100cm ⁻¹ ~2200cm ⁻¹ , resolution: 4cm ⁻¹ , 1 minute data collection)
Interferometer	Cube-corner Michelson interferometer	
Beam Splitter	Multilayer Ge coated KBr	
IR Source	High intensity, long lifetime, air-cooled IR source	
Wavenumber Range	7800cm ⁻¹ ~350cm ⁻¹	
Resolution	0.85 cm ⁻¹	
Wavenumber Accuracy	±0.01 cm ⁻¹	
Scanning Speed	Microprocessor control, different scanning speed selectable.	
Software	Main FTOS Suite software workstation,compatible to all version Windows OS. FDA 21 CFR Part11 compliance Software (Optional)	
Interface	Ethernet & WIFI wireless	
Data Output	Standard data format, report generation and output	
Status Diagnosis	Power on self-check, real-time temperature and humidity monitoring and reminders	
Environment Conditions	Temperature: 10℃~30℃, Humidity: less than 60%	
Standard Accessories	Transmission sample holder	
Optional Accessories	Gas cell, liquid cell, defused/specular reflection, single/multiple reflection ATR, IR microscope, electronic moisture proof box. etc. Among them, the electronic moisture proof box is mandatory optional part	
Power	80W	
Power Supply	AC110V~220V, 50/60Hz	
External Size(W*D*H)	490*420*240mm	
Net Weight	23.2kg	
Packing Size(W*D*H)	Main unit: wooden type 750*630*630mm; carton type 680*580*630mm Electronic moisture proof box: wooden type 930*810*640mm; carton type 850*730*500mm	
Gross Weight	Main unit: wooden type 50kg; carton type 33kg Electronic moisture proof box: wooden type 60kg; carton type 33kg	

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