



FOURIER TRANSFORM INFRARED SPECTROMETER

NO SAMPLE PREPARATION REQUIRED



- Widely used in medicine, chemical industry, petroleum, environmental protection, food industry, materials, public security, national defence, semiconductor, optical and other fields
- Qualitative identification of human and veterinary drugs, polymer materials, adhesives and binders, rubber, polyurethane, acrylic resins, concrete admixtures and so on
- Quantitative testing of mineral insulating oils, structural groups in lubricating oils, trans fatty acids in food and grease, atypical additives in petrol, petroleum hydrocarbons in solid waste, oils in water, etc
- Versatile accessory options, easy replacement and installation, large sample compartment for easy expansion of other infrared accessories, such as ATR accessories, liquid test set, etc
- With over 200,000 standard infrared spectra

SPECIFICATION

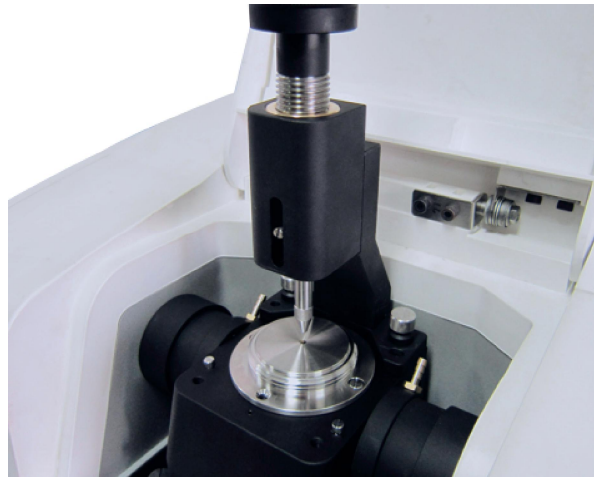
Part No.	FTI-A170	FTI-A190
ATR attachment material	ZnSe	diamond
Sample attributes	non-corrosive, Mohs hardness below 5	corrosive, Mohs hardness above 5
Spectral range	7800~350cm ⁻¹	
Resolution	better than 1.0cm ⁻¹	
Signal-to-noise ratio	better than 30000:1	
Detector	infrared detector	
Beam splitter	multi-coated potassium bromide, with humidity resistant coating	
Scanning speed	microcomputer control and selection of different scanning speeds, gear continuously adjustable	
Source of infrared light	long-life, high-intensity air-cooled infrared light source	
Wavenumber precise	0.01cm ⁻¹	
Software function	1.with spectrum annotation function 2.with spectrum search and comparison function 3.spectrogram self-addition function, spectrogram matching analysis function 4.with tools for peak labelling/differential spectra (quadratic operation of spectra)/smoothing, etc 5.with peak height/peak area measurement tools 6.export report 7.provide at least 200,000 infrared spectra of commonly used compounds	
Working environment	20~50%RH	
Weight	30.87lb	
Dimension(L×W×H)	17.72×13.78×8.27"	
Power supply	110~240V, 50/60Hz	

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Software	1 pc
ZnSe crystals ATR attachment	1 pc

OPTIONAL ACCESSORY

Diamond crystal ATR attachment	FTI-A170-ATRND
Solid powder tablet press machine	FTI-A170-TPM-1
Tablet press mould	FTI-A170-TPM-2
KBr (SP grade)	FTI-A170-KBR-1
KBr mortar	FTI-A170-KBR-2
Removable liquid test set	FTI-A170-FLU



ATR attachment (included)