

# FOURIER TRANSFORM INFRARED SPECTROMETER CODE FTI-A170

NO SAMPLE PREPARATION REQUIRED



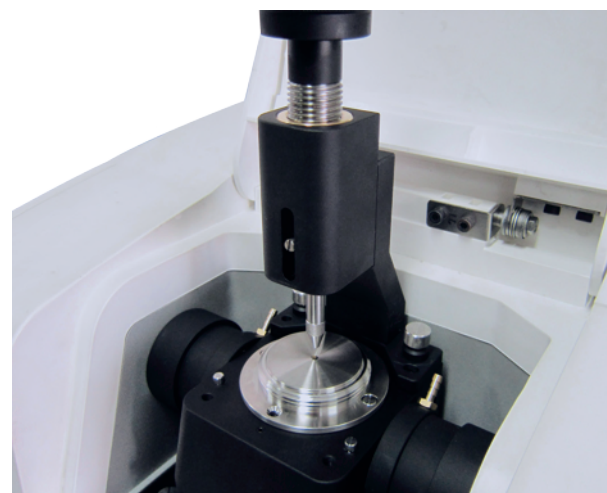
- Widely used in medicine, chemical industry, petroleum, environmental protection, food industry, materials, public security, national defence, semiconductor, optical and other fields
- Qualitative identification of human and veterinary drugs, polymer materials, adhesives and binders, rubber, polyurethane, 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

## 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 moulds	FTI-A170-TPM-2
KBr (SP grade)	FTI-A170-KBR-1
KBr mortar	FTI-A170-KBR-2
Removable liquid test set	FTI-A170-FLU
Electronic moisture-proof box	FTI-A170-MPB



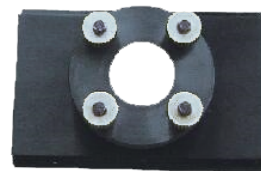
ZnSe Crystals ATR Attachment  
(included)

## SPECIFICATION

<b>Spectral range</b>	7800~350cm <sup>-1</sup>
<b>Resolution</b>	better than 1.0cm <sup>-1</sup>
<b>Signal-to-noise ratio</b>	better than 30000:1
<b>Detector</b>	infrared detector
<b>Beam splitter</b>	multi-coated potassium bromide, with humidity resistant coating
<b>Scanning speed</b>	microcomputer control and selection of different scanning speeds, gear continuously adjustable
<b>Source of infrared light</b>	long-life, high-intensity air-cooled infrared light source
<b>Wavenumber Precise</b>	0.01cm <sup>-1</sup>
<b>Software function</b>	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
<b>Working environment</b>	20%~50%RH
<b>Weight</b>	14kg
<b>Dimension (L×W×H)</b>	450×350×210mm
<b>Power</b>	AC220V, 50Hz



Electronic Moisture-proof Box  
(optional)



Removable Liquid Test Set  
(optional)