

Fourier Transform Infrared Spectrometer ATP8900PLUS-5



Meticulous and ingenuity

Brochure >>>

Fourier Transform Infrared Spectrometer

The combination of small size, reasonable price, and superior performance makes the Fourier Transform Infrared (FT-IR) spectrometer a well-deserved entry-level spectrometer.



Features of ATP8900PLUS-5 FTIR spectrometers:

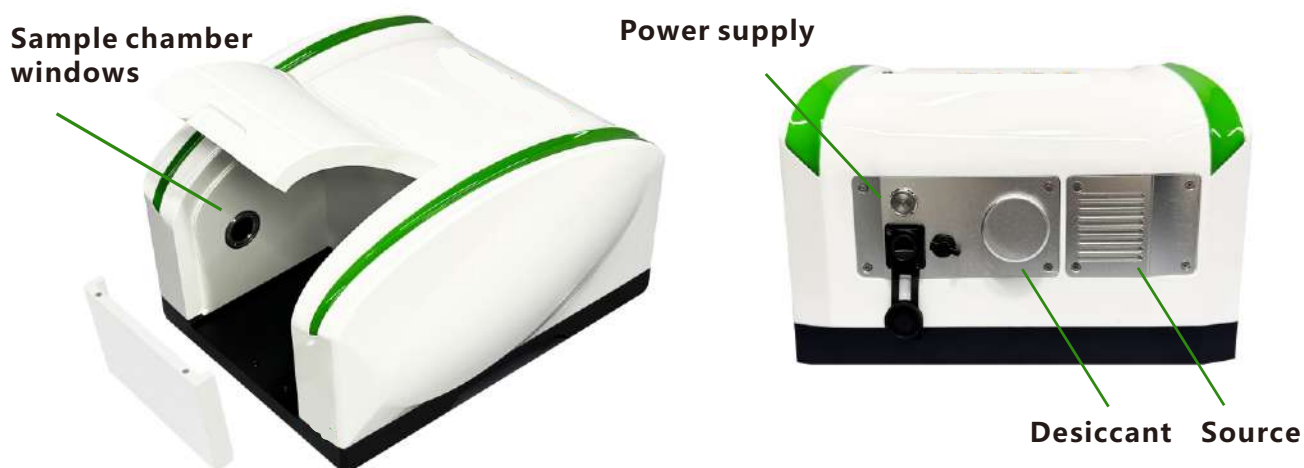
Durable design

The Fourier Transform Infrared (FT-IR) spectrometer is designed for trouble-free operation in harsh environments.

- Diode laser ensure trouble-free operation for many years
- User can replace parts by themselves, reducing maintenance costs
- Wide range of temperature and humidity adaptation condition
- Permanent alignment interferometer provides excellent mechanical properties, ensuring resistance to vibrations and high temperatures

Easy maintenance

- User can replace parts: light source, desiccant, power supply, sample chamber windows
- The IR source and desiccant can be replaced without the need to open the optical platform and without the need for specialized service personnel



Humidity	Sealed design to resist ambient moisture
Interface	Network interface
Beamsplitter	KBr on Ge beamsplitter, optimized for the mid-infrared region (option: ZnSe beamsplitter moisture-proof)
Laser	Long-life solid-state diode laser
Validation	Comply with the requirements of the Chinese Pharmacopoeia
Power Supply	100-240V; 50-60Hz
Length	357 mm
Width	395 mm
Height	243 mm
Source	High-energy MIR SiN light source; It can be replaced by the user
Spectral Range	8000-350 cm^{-1}
Detector	Pyroelectric detector with fast response

Accessories

ATR sampling accessory



Transmission sampling accessory



Diffuse sampling accessory



Specular sampling accessory



Gas cell sampling accessory



Applications



Academic teaching



Industry QA/QC



Pharmaceutical



Plastics/Polymers

Better than 2 cm^{-1}

>55,000:1 peak-to-peak, 1 min measurement, 4 cm^{-1}

Monolithic diamond, single-bounce ATR

$\sim 0.5 - 3 \mu\text{m}$

Solids, Powders, Pastes, Liquids, Gels, Polymers,
Minerals

Fully compliant with audit trail, electronic signatures

Automated OQ/PQ routines available

2-3 standard samples of liquids, solids, minerals &
powders

< 1 min

Complete tool kit, Compatible PC, Printer, Silica beads
packets, UPS backup, ducting, leather covers for
Instrument & PC, training and installation

21 CFR Part 11

Fully compliant with audit trail, electronic signatures

Validation

Automated OQ/PQ routines available