



FTIR Spectrometer LZ-FTIR-A110

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Overview

FTIR Spectrometer LZ-FTIR-A100 Series offer wavelength range and real-time monitoring from 7800 cm^{-1} to 350 cm^{-1} with DLaTGS detectors for laser characterization. Ideal for the science research analysis, production quality control testing and detection in numerous research sector. The FTIR Spectrometer come with detection &

cyberspace connection, instrument design with multiple communication options including ethernet interface as standard supply for data transfer, WIFI wireless communication optional counting setting up a basic platform for remote operation and maintenance, and data cloud computing. Support multiple function by high sensitivity optical system Michelson interferometer combined with patented fixing mirror alignment technology.

Specifications :

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|---------------------|---|
| Wavelength Range | 7800 cm ⁻¹ to 350 cm ⁻¹ |
| SN Ratio | 20,000:1 |
| Resolution | 0.85 cm ⁻¹ |
| Interferometer | Cube-corner Michelson interferometer |
| Beam splitter | Multilayer Ge coated KBr |
| IR Source | High intensity, long lifetime, air-cooled IR source |
| Wavelength Accuracy | ±0.01 cm ⁻¹ |
| Scanning Speed | Variable scanning speed(Microprocessor Control) |
| Temperature | 0 to 30°C |
| Humidity | <70% |
| Software | All version window OS-XP,7,8,8.1,10(32 & 64 BITS) |
| Compliance | FDA CFR 21 PART 11(optional) |
| Interface | Ethernet interface(Standard), WIFI wireless communication(Optional) |

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|------------------------|---------------------|
| Electrical Requirement | AC220V±22V□50Hz±1Hz |
| Dimension | 520 x 435 x 255mm |
| Weight | 24 kg |

Features :

1. Extremely compact design with SN ratio of 20,000:1, capable of variable scanning speed
2. Design with modern technology with high sensitivity integrated DLATGS detector with high precision 24-bit A/D conversion technology, real-time control and data processing technology
3. Moisture-proof design with multiple sealed including multiple sealed interferometer
4. The touch screen design with advance technology with intuitive handling
5. Most used accessories: Horizontal ATR, Horizontal ATR for Liquid and Powder, Single reflection ATR-Diamond crystal & ZnSe crystal, Defused/Specular Reflection, Liquid cell, Gas cell, and IR microscope, Dehumidifier (50L)
6. Adopt anti-electromagnetic interference capability

Applications :

Suitable for science research analysis, production quality control testing and detection in numerous research sector.

Accessories :

Transmission sample holder (Standard)



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