

Liquid Transmission

IR1600-T

Features

- Spectral Range: 12500 - 4000 cm^{-1} (800 - 2500nm)
- Spectral Resolution $\leq 2 \text{ cm}^{-1}$
- Liquid transmission measurements of samples at a constant temperature about 100°C
- Integrated Pad easy to take to site
- Different sizes of vials or cuvettes for fast measure many samples
- Carrying case

Application

Polyurethane industry/Petrochemical industry/Food industry/Method development for the rapid determination of component content in liquid systems

Description

IR1600-T is a laboratory-grade FT-NIR spectrometer for liquid samples at constant temperature product, specially designed for liquid transmission sample applications. The overall design of this product is compact, integrating the transmission module and temperature control functions, and is loaded with a touch screen tablet. Users can put the entire device in their luggage and have a new near-infrared experience on the go.

IR1600-T uses fully automatic S-cal modeling software for easy modeling and Provides multi-size sample vials and cuvette adaptation solutions to achieve rapid detection of a large number of samples.



Parameter

Items	Parameters
Spectral Resolution	< 2 cm ⁻¹
Spectral Range	12500 - 4000 cm ⁻¹ (800 - 2500nm)
Light Source	High Performance NIR light source
Detector	High sensitivity InGaAs
Laser	Solid laser 10 year warranty
Beamsplitter	CaF ₂
Interferometer	High stability Cube corner interferometer
Software interface	Window 7/10
Operating temperature / humidity	5 to 35°C / non condensing
Storage temperature	-10 to 60°C
Temperature control range	room temperature: ~100°C
Temperature control accuracy	0.1°C
Size (with no tablets)	337mm* 274mm*182mm