

NIR SPECTROPHOTOMETER



NIR Spectrophotometer LNIR-A10

NIR Spectrophotometer LNIR-A10 is a high precision spectrophotometer with a wavelength range of 900 -1700 nm with high-sensitivity and high-speed measurement of ultra-trace samples. Single channeled whole spectrum scanning offers low dark noise and high sensitivity. Provides the maximum sampling flexibility and ultra-fast scanning within less than two minutes with auto background subtraction.

Features

- ▶ Single channeled whole spectrum scanning
- ▶ Wavelength range is 900 -1700 nm
- ▶ Optical system – Grating monochromator
- ▶ High resolution and sensitivity
- ▶ Low dark noise
- ▶ Photomultiplier tube detection
- ▶ Ultra-fast scanning time (< 2 mins)

Applications

Used in chemical and Polymer QA/QC, quantitative analysis of production samples, simple quantification of binary and ternary mixtures , identification of colored gemstones, color origin in colored diamonds, identification of geographical origin for sapphires and emeralds, telecommunication, laser characterization

Specifications

Model No.	LNIR-A10
Wavelength range	900 ~ 1700 nm
Wavelength accuracy	± 1 nm
Wavelength reproducibility	≤ 1 nm
Scanning interval	1 nm , 4 nm , 8 nm , 16 nm
Absorbance reproducibility	0.002 A (at 0.4 A)
S/N	≥ 103 (at 1500 nm)
Scanning Time	≤ 2 mins
Application field	Liquid dope samples (gasoline, drink and milk etc.)
Optical system	Grating monochromator
Detector	In gaAs
Interface	Serial port
Dimensions	570 x 370 x 240 mm
Weight	18 kg

Standard Accessories

Spectrophotometer	1 set
Power cable	1 piece
User Manual	1 piece
Fuses (2A)	2 pieces
Data processing software package	1 set

Optional Accessories

Fuse (2A)
Communication Table