



**NIR SPECTROPHOTOMETER
LD-LNIR-A10**

NIR Spectrophotometer LD-LNIR-A10 is a spectrophotometer with grating monochromator. The wavelength range is 900 nm to 2500 nm and temperature ranges from 5 to 35°C. Single channel whole spectrum scanning offers low dark noise and high sensitivity. It features built-in high-quality PTFE reference module and polystyrene wavelength standard filter. It combines the data with the corresponding NIR data model, various components of the tested sample can be obtained at the same time. The device is used for rapid non-destructive analysis of oil, alcohol, beverage and other liquids.

Features:

- Designed with single channeled whole spectrum scanning
- Wavelength range is 900 to 2500 nm
- Built-in high-quality PTFE reference module and polystyrene wavelength standard filter
- Equipped with automatic reference calibration and monitoring wavelengths ensure accurate and stable measurement results
- Designed with ambient temperature and humidity in real time and stores it in spectrum file
- Offers 8 nm bandwidth
- Photomultiplier tube detection
- Easy to use, no sample preparation is required and the sample is not damaged

Applications:

NIR Spectrophotometer is 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.	LD-LNIR-A10
Wavelength Range	900 nm to 2500 nm
Wavelength Accuracy	≤ 0.2
Wavelength Reproducibility	≤ 0.05
Bandwidth	8 nm

Measurement Mode	Transmission
Optical System	Grating Monochromator
Stray Light	≤0.1 %
Noise	≤ 0.0005 Abs
Analysis time	1 minute or above
Port	USB 2.0
Temperature Requirement	5 to 35°C
Humidity Requirement	5 to 85 % RH
Dimension	360 × 460 × 240 mm
Power Supply	90 to 250 V, 50/60 Hz
Weight	12 kg

Standard Accessories:

Accessories No.	Name	Qty.
1	Main instrument	1 set
2	Power cable	1 pc
3	Data processing software	1 set
4	USB cable	1 pc
5	Fuse (2A)	2 pcs
6	10 mm quartz square sample cell	1 pair (2 pcs)
7	2 mm quartz micro sample cell	1 pair (2 pcs)