

# NIR Spectrophotometer FM-NIS- A100



## Description :

NIR Spectrophotometer FM-NIS-A100 is a high precision spectrophotometer offers wavelength range 900 nm to 1700 nm. Single channelled 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.

## Specifications :

Wavelength range	900 to 1700 nm
Wavelength accuracy	$\pm 1$ nm
Wavelength reproducibility	$\leq 1$ nm
Scanning interval	4 nm / 8 nm / 16 nm
Absorbance reproducibility	0.002 A (at 0.4 A)
S/N	$\geq 103$ (at 1500 nm)
Scanning time	$\leq 2$ min
Optical system	Grating monochromator
Detector	InGaAs
Interface	Serial port
Power supply	220 V, 50 Hz
Dimension	500 × 520 × 500 mm
Net weight	18 kg
Gross weight	20 kg

## Features :

- Single channel whole spectrum scanning mode
- Wavelength range is 900 to 1700 nm
- Optical system: Grating monochromator
- Built in SCM technology
- High resolution and sensitivity
- Photomultiplier tube detection
- Ultra-fast scanning time (< 2 min)

## Applications:

Used in determination of qualitative, quantitative and non-destructive analysis of liquid samples like gasoline, drinks, milk, nutrients, water, etc.

## Accessories:

Accessories no	Accessories name	Unit
1	Spectrophotometer unit	1
2	Power cord	1 pcs
3	Data processing software package	1 pcs
4	RS-232C serial communication cable	1 pcs
5	Fuse (2A)	2 pcs
6	1 cm quartz square sample cell	1 pcs
7	1 cm cell holder	1 pcs
8	User manual	1 pcs



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