



## NIR- Food Analyzer FM-NIF-A100

### Overview

NIR- Food Analyzer FM-NIF-A100 operates in the 1000-1800 nm wavelength range. It processes samples from 50 to 150 ml and includes three cup types. Each test completes in 6 to 10 seconds. It uses diffuse reflectance for measurements. Designed for ease of use, it simplifies operation with its intuitive interface. The analyzer ensures precise results with its high-performance system.

### Specifications :

Spectral range	1000 to 1800 nm
Sample volume	Flexible 50 to 150 ml, 3 types of sample cup
Illumination source	Tungsten halogen lamp >5000 hours lifespan
Measurement mode	Diffuse reflectance
Sensor	High-Performance ultra cooled InGaAs (Indium Gallium Arsenide) detector to -25 Dual-stage temperature stabilized
Spectral bandwidth	10.95 – 0.3 nm @ 1395.5 nm
Baseline noise	< 50 ...A
Interface	USB
Analysis time	6 to 10 sec
Spectral precision	< 0.1 nm to traceable standard reference material
Ambient temperature	5 to 35
Ambient humidity	<90% RH
Power Supply	198 to 242 V, frequency 50 Hz, 0.5 A
Dimensions (L xW xH)	403 x91 x74 mm
Packing Dimensions	540 x490 x470 mm
Gross Weight	25 Kg

### Features :

- NIR Food Analyzer with stable performance
- Tungsten halogen lamp
- RIMP software integration
- Test time is under 3 seconds
- Ultra-cooled In GaAs detector
- Versatile instrument for multiple products
- Precise optical bandwidth

### Applications :

NIR-Food Analyzer is utilized in agriculture, food and beverage, dairy, pharmaceuticals, and animal feed industries.