

IAS-3100

NIR ANALYZER FOR THE FEED INDUSTRY

One IAS-3100 Masters Multi-Form Sample Analysis

The IAS-3100 Laboratory NIR Spectroscopy Analyzer is designed for testing granular, powdered, and liquid samples. Its compact, robust design makes it the ideal choice for real-time lab analysis.

Simple Operation with Multi-Parameter Results in Just 1 Minute

Pour the sample into the accessory, click start, and get multi-parameter results in under a minute, supporting batch analysis with limited staff or high sample volumes.

Outstanding Accuracy for Informed Laboratory Decisions


The IAS-3100 features a large-area scanning mode that improves sampling representativeness and delivers high-quality spectra, ensuring more precise results. By tracking ever-changing sample quality in real time, the IAS-3100 consistently provides reliable data to support your decisions.

Empowering Smarter
Laboratory Decisions


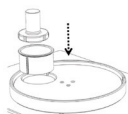






IAS Global Pte. Ltd.

Applications

Industry	Testing Category	Testing Parameters
 <p>Feed-Related Industry</p>	Feed Raw Materials and Finished Products, Pet Food Raw Materials and Finished Products, Livestock Forage, etc.	Moisture, Protein, Fat, Fiber, Acid Detergent Fiber (ADF), Neutral Detergent Fiber (NDF), Protein Solubility, Starch, Acid Value, Volatile Basic Nitrogen (VBN), etc.

Sampling Accessories

Accessory	Usage Illustration	Application Scope
 <p>Small Sample Cell</p>		<p>*Suitable for collecting transparent liquid samples like peanut oil, lubricant oil, etc.</p> <p>*Suitable for collecting turbid liquid samples like milk</p>
 <p>Medium Sample Cell</p>		<p>*Suitable for collecting powder samples like rice bran, rice bran meal, etc.</p>
 <p>Large Sample Cell</p>		<p>*Suitable for collecting fluffy samples like grass, etc., can be used with a press accessory</p> <p>*Suitable for collecting larger volume samples</p>

Specifications

Parameters	Specification	Parameters	Specification
Wavelength range (NIR)	920-1660nm	Dimensions	L: 370mm/W: 250mm/ H:146mm
Detector	InGaAs Detector	Weight	7.5Kg
Spectroscopic principle	Array MEMS Mirrors + Grating	Vibration	0.3g@0.1-200Hz
Baseline noise	≤0.0001AU	Power supply	24V/3A
Wavelength repeatability	≤0.02nm	Power consumption	20W
Wavelength accuracy	≤1nm	Display / Light source	7-inch Touch Screen / Halogen-Tungsten Lamp
Absorbance repeatability	≤0.0002AU	Built-in operating system	Linux
Measurement time	≤1 min	Operational /Storage temperature	5-45°C/-20-60°C
Data interval	1nm	Relative humidity	<RH75%