



The Forerunner in Grain Quality Assessment



IAT(Singapore)Technology Pte.Ltd.

IAS-5100 Portable NIR Analyzer

One-Touch Operation for Precise Multi-Parameter Output

The IAS-5100 employs a touchscreen interface that is intuitive to use. The device features a simple one-touch analysis function. Just pour in the sample, and all required parameters can be obtained through non-destructive testing. Operators without specialized training can perform efficient testing.

Innovative Side-Illumination Mixing Device Ensures Testing Accuracy

The IAS-5100 Portable NIR Spectrometer comes with an innovative side-illumination mixing device, which triples the analysis precision of grain particle samples. It provides results accepted by both parties in transactions, facilitating fair purchasing and profitable decision-making.




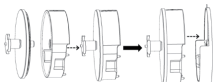
Versatile in Multiple Scenarios with Just One IAS-5100

The instrument is flexible for various scenarios such as procurement sites, workshops, and fields. Its extensive database, built on a wide range of samples from many harvest seasons, ensures the quality and accuracy of analysis results.

Applications

Rice	Moisture, Protein, Oil, Amylose, Taste value
Wheat	Moisture, Protein, Ash, Wet gluten
Corn	Moisture, Protein, Fat, Starch
Soybean	Moisture, Dry protein, Fat, Soluble protein
Sesame	Moisture, Fat
Peanut	Moisture, Oleic acid, Acid value, Oil content on wet basis
Rapeseed	Moisture, Glucosinolate, Oil content on wet basis, Oleic acid, Erucic acid
Sorghum	Moisture, Protein, Starch
Barley	Moisture, Dry protein, Dry starch, Ash
Flaxseed	Moisture, Oil content on wet basis
Sunflower	Moisture, Oil, Protein

Sampling Accessories

Accessory	Usage Illustration	Application Scope
 Sample Cell A		*Suitable for collecting granular samples like soybeans, peanuts, etc.
 Sample Cell B		*Suitable for collecting powder samples like rapeseed powder, rice bran, etc.

Product Technical Parameters

Parameters	Specification	Parameters	Specification
Wavelength range (NIR)	950-1650nm	Dimensions	L:278mm/W:337mm/H:292mm
Light source type	Halogen-Tungsten lamp	Weight	5Kg
Operational /Storage temperature	5-45°C/-20-60°C	Display	7-inch Touch Screen