

IAS-5100 NIR Grain Analyzer

Introduction



IAS-5100 NIR Grain Analyzer is designed for cereal crop analysis. It is capable of fast, accurate and non-destructive measurements of crops including cereal, rice, soybean, corn, rapeseed, sunflower, etc. The typical measurement results include protein, fat, moisture and starch. The device is compact and portable, which can be easily hand-carried to the field for analysis on site. It is widely used in the analysis of crops trading, logistics, storage and processing. It is recommended for applications with samples in relatively large grainy form. Not recommended for measuring powder samples.

Key benefits:

- High stability and signal-to-noise ratio
- Easy to use, no damage to the samples
- Full automatic sample mixing and averaging of multiple measurements
- Ready for remote maintenance: new model upload, software upgrade and calibration
- Compact and portable
- CE certified

Applications:

	Type	Parameters
1	Soybean	protein, fat, moisture, water soluble protein
2	Rapeseed	fat, moisture, erucic acid, glucosinolates
3	Wheat	protein, moisture, wet gluten
4	Barley	protein, moisture, starch
5	Corn	protein, moisture, starch, fat
6	Paddy rice	protein. moisture, starch
7	Rice	protein. moisture, fat, direct starch
8	Brown rice	protein. moisture, fat, direct starch
9	Sorghum	protein, moisture, starch
10	Linseed	fat moisture

If the test target is not listed in the above list, we can provide customized modeling services.

Technical parameters:

Items	Index	Items	Index
Test Target	Powder	Sample Cup	100*23mm
Wavelength Range	850-1650nm	Resolution	10nm
S/N Ratio	5000:1	Wavelength Accuracy	±0.5nm
Light Source Life Time	>10000h	Humidity	5-85%
Working Temperature	5-45°C	Battery Life	>3h
Power Supply Voltage	DC 24V	Weight (battery excluded)	<10kg

Sales package contents:

- ① NIR Grain Analyzer
- ② Power adaptor
- ③ P65 protection, fully sealed, 1 set of rotating sample cup
- ④ 1 set of touch screen
- ⑤ 1 set of cleaning kit
- ⑥ User's manual
- ⑦ 1 wireless network card
- ⑧ 1 backpack
- ⑨ Setup and configuration tool

Warranty term:

- One year of warranty for the spectrometer after the installation. All repaired or replaced parts are extended to one more year of warranty.