

STALWART

Portable NIR Grain Analyzer STP-850



Introduction

STP-850 NIR Grain Analyzer is designed for the NIR analysis of grain and oil crops. Based on the principle of NIR absorption measurement for quantitative or qualitative analysis.

It features fast, accurate, nondestructive detect and analyze paddy rice, rice, soybean, corn, linseed, wheat, sorghum, resulting in percentage of protein, fat, water, and starch items.

With compact size and light weight easy to take to outdoor detect and NIR analysis in the field, warehouse, and inside truck, or in other places of grain raw ingredients process and production.

Its interface to Ethernet, WIFI, LAN.

Features

- High Stability High SNR
- Easy to operate, Nondestructive to sample
- Remote support model , maintenance, model upgrade, and calibration
- Ethernet,WIFI, LAN
- Compact Size, Light Weight, Easy-to-take

Specification

Model	STP-850
Test object	Grain, rapeseed, etc
Test time	<3 mins
Spectroscopic principle	MEMS micromirror + grating
Wavelength range	950-1650 nm
Weight	<10 kg
External interface	USB
Power waste	25 W (Average)
Relative working humidity	<75%
Network	WiFi external wireless network card
Test items	Soybean, corn, sorghum, rice, rice and rapeseed contain erucic acid, peanut, wheat, barley and other crops.
Sample capacity	350 ml
Core detector	Single point InGaAs detector
Dimensions	L279mm * W338mm * H291mm
Power supply	24V/3A
Display	7 inch industrial display
Working temperature	5°C-45°C
Storage temperature	-40°C-60°C
Protection Level	Ip65

Model Items

P/N	P/N	Parameters
1	Soybean	Protein, fat, moisture, water soluble protein
2	Rapeseed	Protein, moisture, erucic acid
3	Wheat	Protein, moisture, wet gluten, ash content
4	Barley	Protein, moisture, starch
5	Corn	Protein, moisture, starch, fat
6	Low land 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

Application

- Soybean: Protein, fat, moisture, water soluble protein
- Rapeseed: Protein, moisture, erucic acid
- Wheat: Protein, moisture, wet gluten, ash content
- Barley: Protein, moisture, starch
- Corn: Protein, moisture, starch, fat
- Low land paddy rice: Protein, moisture, starch
- Rice: Protein, moisture, fat, direct starch
- Brown rice: Protein, moisture, fat, direct starch
- Sorghum: Protein, moisture, starch
- Linseed: Fat moisture

Attachment List

Attachments	Qty
NIR Grain Analyzer	1
Power Adaptor	1
Rotated Sample Cup	1
Touch Screen	1
Cleaning Kit	1
Manual	1
Carry Bag	1