

DRAMINSKI NIR-DRAM 100

NIR analyser of grain and flour content is an advanced hi-tech device for measuring grain and flour composition by spectral analysis in the near-infrared spectral range.



Principle of operation

NIR DRAM – 100 ANALYSER is a device designed based on modern top quality components. Stable measurement conditions are guaranteed by a specially designed construction and a solid metal casing.

Grain parameters are measured automatically after filling in the filling chamber with a test sample and after pressing the button to start the measurement cycle.

The ANALYSER analyses composition based on the spectral method through spectral analysis in the near-infrared spectral range.

The device is factory-calibrated and it has all data for individual parameters stored in a permanent, non-volatile memory.

An integral part of the NIR analyser set is a SJ500 disc grinder.

Why should you have it?

- Very accurate analysis of grain or mill product composition owing to the application of advanced spectrophotometry in the near-infrared spectral range.
- An option to extend the menu with new calibrations – up to 50 calibration banks.
- Allows for storing measurement results, including dates and times.
- Has an integrated thermal printer for measurement printouts.
- An option to send data to a computer with the use of RS connection.
- A clear and backlit display.
- Solid and durable metal casing that assures stable operation.

The device is designed for:

1. The companies buying grain for processing purposes
2. Business entities producing and storing large amounts of grain
3. Medium and large businesses buying grain for ARR during the intervention purchase for the purpose of safekeeping
4. Grain processing factories
5. Fodder manufacturing companies
6. Other institutions that require fast and efficient control of grain and flour parameters.

Measurement of the most important parameters:

- protein
- gluten
- Zeleny sedimentation indicator
- ash (for flour)
- moisture

Before the measurement, a grain sample should be crushed on a special mill that is paired with the device and is specially selected for this type of measurements.

The set includes:

- NIR-DRAM 100 analyser,
- SJ500 disc grinder (optional),
- power cable,
- scraper,
- rammer,
- brush,
- tray,
- 2 rolls of print paper,
- transport packaging with a polysterene insert,
- manual.

24 Months Warranty

Technical specification NIR

Unit weight 25.0 kg

Power supply 220-250 V / 50 Hz mains

Measurement ambient temperature from 15°C to 35°C

Storage temperature	temperature from 10 to 40°C, relative humidity below 85%
Method of analysis	spectral analysis by NIR reflectometry
Measurement control	single chip microcomputer
Display	LCD with LED backlight
Keyboard	membrane
Calibration	calibration data for each spectral range filter/product combination stored in the device memory

Technical specification disc grinder SJ500

Engine power	0.5 KM
Engine speed	1400 RPM
Power supply	220-250 V
Power consumption	350 W
Weight	12 kg
Dimensions	28.0 x 18.0 x 57.0 cm