

Ronin

Grain Management Solutions

AP Moisture Analyser

The Sinar AP Moisture Analyser offers the fastest and most convenient solution for measuring content in agricultural commodities.

SINAR
TECHNOLOGY



The Sinar™ AP Moisture Analyser offers the fastest and most convenient solution for measuring moisture content in grains.

The principle behind the AP is simplicity. When the cell is filled and the appropriate commodity program selected, the moisture content (%) is clearly shown within six seconds on the liquid crystal display. The moisture content of up to 254 samples can be averaged in less than one second.

The Sinar™ AP also displays temperature. An optional printer is easily connected to provide hard copy of all results.

The instrument can be calibrated for nine different commodities. These can be adjusted independently as required to optimise accuracy. The AP works by simultaneously sensing the capacitance, weight and temperature of the sample being tested. Corrected moisture (%) readings are supplied via the LCD screen in just a few seconds.

This technology allows the use of whole grains - there is no need to grind the sample! Cereals, oilseeds, and even pulses can be loaded directly into the measuring cell without any sample preparation.

Being battery operated and weighing less than two kilos, the AP is portable and can be easily carried wherever immediate and reliable results are needed.

It's robustness makes the AP an ideal choice for grain handlers, storage facilities and producers often operating in harsh and demanding environments.

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Dimensions

325 x 164 x 120mm

Weight

1.8kg

Operating environment

0-55°C

Temperature Correction

Thermistor sensor connected to microprocessor. The correction is software programmable. Temperature readout and correction 0-50°C

Full cell:

290ml volume

Bias facility

Moisture content and hectolitre (bushel) weight readings can be biased in increments of 0.1.

Power supply

Four C size 1.5Valkaline batteries. Optional 220/240V 50/60 Supply transformer.

Measurement range

1-35% moisture, wet basis depending on applications.

Printer output

RS232C

Accuracy

Typical standard deviation 0.3 for moisture (dependent on application and moisture level)

Repeatability

Standard deviation 0.05 to 0.15 (on application)