



DRAMINSKI GMS

Grain Master – grain moisture meter with sample grinding. Accurate moisture measurements under field conditions.

- [Product description](#)

The device is designed for:

- farmers
- large grain producers
- companies providing grain drying services
- grain purchasing companies

Why should you have it?

- sample grinding guarantees fast, accurate and reproducible measurement
- average measurement accurateness $\pm 0.5\%$ for normalized grain
- ability to modify readings
- thanks to the attached key, sample grinding does not require using a lot of force
- durable and robust construction

The meter is programmed for the following species:

- canola (4.5% – 30%)

- rye (9.5% – 29%)
- durum wheat (9.5% – 30%)
- common wheat (9.5% – 30%)
- spring barley (9.5% – 30%)
- triticale (9.5% – 29%)
- oat (9.5% – 30%)
- corn (9.5% – 40%)

The meter allows for extending the list of species in consultation with DRAMINSKI.

How does Grain Master work?

Grain Master Grain Moisture Meter measures the moisture of grain. It is equipped in special friction discs which grind grain. Owing to the destruction of the grain structure results become very accurate and reproducible. Specially selected ratchet-type key helps to grind the grain. It also serves as a measure.

What is modification used for?

DRAMINSKI Grain Master gives possibility of modifying calibration curves. Moisture meter users can calibrate the device on their own, i.e. modify preset moisture curves for each species, which curves have been created based on comparative studies with the use of an oven-drying method.

Calibration consists in modifying (correcting) meter readings by increasing or decreasing the value of readings for a given species by the same amount within the entire measurement range. Modification is made, if the user finds that for a given species a device tends to overestimate or underestimate the results by a similar value within the entire moisture range.

The set includes:

- DRAMINSKI GMS moisture meter,
- transport case with a foam insert,
- socket wrench with a 24 mm socket (used also as a measure),
- special wire brush for cleaning a measuring chamber,
- 1 x 9V 6LF-22 type alkaline battery,
- manual.

Technical data

Unit weight	1160 g (with battery)
Dimensions	21.5 x 11.0 x 10.5 cm
Sample loading	manual, using special dosage key
Sample volume	10 ml
Moisture measurement method	resistivity
Power supply	1 x 9 V alkaline battery, type 6LF-22
Battery low indication	Automatic
Estimated working time on one battery pack	About 30h
Power input	19 mA average
Measurement control	Single chip microcomputer
Display	LCD, alphanumeric 2 x 16 digits
Keyboard	membrane
Measurement resolution	temperature – 1°C, humidity – 0,1%
Data modification	using keyboard – Data modification option
Accuracy of moisture content measurement	± 1 % below 10 % moisture± 1.2% above 10% moisture level and can increase with moisture level
Accuracy of temperature measurement	± 1°C
Temperature compensation	Automatic
Recommended working temperature	from 10°C to 35°C

Recommended storage
temperature from 5°C to 45°C