Digital Grain Moisture Meter, 3-35% Range, ±0.5% Error, ≤10 s Test, 20 Preset Grains

Model **MSBMCA-1GSWISS** | Brand **Master Science**







The Digital Grain Moisture Meter measures the moisture content and bulk density of grain and other non-metallic granular materials, including paddy, wheat, corn, beans, rapeseed, vegetable seeds and feed. It covers 3 to 35% moisture with an error of ≤ ±0.5% in the main range and repeatability within 0.2%, giving results in 10 seconds or less.

KEY HIGHLIGHTS

- Ready for 20 Crops
- Fast Readings
- More Than Moisture
- Field and Lab Power

AT A GLANCE

3-35%	0-40°C
MEASUREMENT RANGE	AMBIENT TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Twenty common varieties are pre-calibrated and can be measured directly, and four-point calibration is available. The Digital Grain Moisture Meter shows moisture, bulk density, sample weight and temperature on a backlit LCD, calculates average values, runs on four AA batteries or a 9 V DC adapter, and switches off after 3 minutes of inactivity.

For lab-grade moisture by heating, see our Halogen Moisture Analyzer alongside the Digital Grain Moisture Meter.

Oven drying or hand judgement of grain moisture causes the issues below. The Digital Grain Moisture Meter resolves each one.

Key Benefits

Ready for 20 Crops
Pre-calibrated varieties cover paddy, wheat, corn, beans, oilseeds and feeds.

Fast Readings
Moisture appears in 10 seconds or less.

More Than Moisture
Bulk density, sample weight and temperature are shown too.

Field and Lab Power
Runs on batteries or a DC adapter.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSBMCA-1GSWISS
SKU	MSBMCA-1GSWISS
Measuring Object	Paddy, wheat, corn, beans, rapeseed, vegetable seeds and other granular samples
Measurement Range	**3-35%**
Measurement Error	≤ ±0.5% (main moisture range)
Repeatability Error	≤ 0.2%
Measurement Time	≤ 10 s
Sample Cell	About 230 mL
Preset Varieties	20
Calibration	Four-point
Display	High-brightness backlit LCD
Displayed Values	Moisture, bulk density, sample weight, temperature, average
Power	4 × AA alkaline batteries or external 9 V DC adapter
Auto Power-Off	After 3 min
Ambient Temperature	0-40°C
Net / Gross Weight	0.83 kg / 3.5 kg
Shipping Size	330 × 420 × 220 mm

PROBLEMS THE DIGITAL GRAIN MOISTURE METER SOLVES	
Oven tests take hours	Readings take 10 seconds or less.
Separate settings for each crop	20 varieties are pre-calibrated.

DISPLAY & DATA	
No bulk density data	Bulk density is displayed with moisture.

POWER	
No power in the field	The meter runs on AA batteries.

Applications

Moisture testing of paddy, rice, wheat and corn at purchase points

Seed moisture checks for oilseeds and vegetable seeds

Feed and residue moisture control

Grain storage and drying monitoring

Measurement

- 3-35% moisture range
- ≤ ±0.5% error in the main range
- ≤ 0.2% repeatability
- ≤ 10 s per test

Functions

- Bulk density conversion
- Sample weight and temperature display
- Average moisture calculation
- Four-point calibration

Practical Design

- About 230 mL sample cell with funnel
- 20 pre-calibrated varieties
- AC and DC power
- Auto shut-off after 3 minutes

Standard Accessories Included

- Digital grain moisture meter
- Sample funnel

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.