

# Grain Moisture Meter

GM640



The GM640 can be used to measure the moisture and temperature of different grains. It is applicable to allocating, Purchasing, storing and processing packaged grains. With this Tester, the moisture and temperature of the grains can be rapidly and exactly measured.

## Features

- Microcomputer technology(CPU)allows exacter measurement
- Temperature auto-compensation function
- Large LCD screen with backlight ensures clear reading and avoids parallax
- Backlight control switch helps saving power
- Power supplied by a 6F22 9V battery with auto reminder while low battery
- light but solid ABS plastic-made shell
- portable and user friendly
- Measurable grains include: wheat, paddy, rice, corn

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- Grain varieties to choose ✓
- Grain moisture test ✓
- Food temperature test ✓
- Grain moisture standard setting and excessive moisture Tip ✓
- Backlight control function ✓
- Celsius, Fahrenheit temperature unit conversion ✓
- Battery hold function ✓
- Auto power off function ✓
- Data hold function ✓

## Specifications

Measuring range:	5% -30% moisture, temperature -10°C-60°C
Maximum error:	Moisture $\pm$ (1% Rh = 0.5), temperature $\pm$ 2.5°C ( $\pm$ 5°F)
Resolution:	0.5% moisture, temperature 0-85% Rh
Operating environment:	temperature 0°C-40°C / Humidity 0.1-85% Rh



- (1) Probe
- (2) Connector
- (3) Display
- (4) Power
- (5) Moisture content standard setting
- (6) Backlight / "-" temperature unit switch
- (7) Data-hold / "+" temperature unit switch
- (8) Variety select

## Operation

- (1) **Start-up**; after installing the battery press the power key
- (2) **Measure moisture content of the grain**; press select to choose grain variety.

1-Paddy

2-Wheat

3-Barley

4-Fodder

5-Corn

6-Rapeseed

7-Soybean

8-Rice

Then insert the probe into the grain to be tested to measure the moisture content. At this moment, the instrument displays the moisture content of the grain. In the measuring process, if you press **HOLD**, the screen will display **HOLD**. Moisture content will be kept on the screen. Press **HOLD** to exit this mode.

- (3) **Temperature measurement**; Long press °C/°F to select the temperature unit. The default is °C. After inserting the probe into the grain for a certain period of time, internal temperature of the grain will be displayed.
- (4) **Backlight**; Press to activate the backlight for night use. Press again to disable
- (5) **Shutdown**; The unit will automatically turn off after 5 minutes, or if you press the power button.
- (6) **Moisture content setting**; You can set moisture content standard for the grain according to requirements of the user. Press **SET**, then press "+" and "-" to set the data. Press **SET** to exit the setting state. At this point in the testing process, if the moisture content exceeds the limit you have set, an audible alarm will be given. Meanwhile, the over-standard symbol of moisture will be displayed on the screen.

