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› GOLDEN BLUE MD7822 Digital Grain Moisture Meter Instruction Manual

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1. INTRODUCTION

The GOLDEN BLUE MD7822 is a digital instrument designed for accurately measuring the moisture content and temperature of various grain types. This manual provides essential information for the proper setup, operation, and maintenance of your device to ensure reliable performance.

2. PRODUCT OVERVIEW

The MD7822 meter consists of a main display unit and a separate measuring probe. It features a large LCD display with backlight for clear readings, data hold functionality, and options for switching between moisture and temperature measurements. The device also includes a maximum value measurement function, low battery indication, and the ability to select different grain species for accurate testing.



Figure 2.1: The GOLDEN BLUE MD7822 Digital Grain Moisture Meter with its detachable measuring probe.

3. SPECIFICATIONS

Parameter	Value
Model	MD7822
Display	LCD Display
Moisture Measuring Range	2%~30%
Moisture Maximum Error	(1%Rh + 0.5)
Moisture Resolution	0.5%
Temperature Measuring Range	-10~60°C / 14~140°F
Temperature Maximum Error	2°C / 4°F

Parameter	Value
Temperature Resolution	1°C / 2°F
Ambient Temperature	-10~40°C / 14~104°F
Ambient Humidity	0~70%Rh
Power Supply	1 x 9V Battery (Not included)
Meter Size	138 x 67 x 33mm
Meter Weight	115g
Probe Size	405 x 45 x 45mm
Probe Weight	201g
Outer Material	Plastic

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the MD7822 meter unit.
2. Slide or unclip the cover to open the compartment.
3. Insert one 9V battery, ensuring correct polarity (+ and - terminals).
4. Close the battery compartment cover securely.



Figure 4.1: The MD7822 meter unit, indicating the area where the battery compartment is typically located on the reverse side.

4.2 Probe Connection

Connect the cable from the measuring probe to the designated port on the MD7822 meter unit. Ensure the connection is firm and secure.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **POWER** button to turn the meter on. Press and hold the **POWER** button to turn the meter off.

5.2 Grain Species Selection

The MD7822 allows for selection of different grain types to ensure accurate moisture readings. Press the **SELECT** button to cycle through the available grain species (e.g., Wheat, Corn, Rice, Paddy). The selected grain type will be indicated on the display.

Small Machine,Widely Used

It's used to measure the containing moisture and temperature of various kinds of grain.



Figure 5.1: The MD7822 meter is suitable for measuring moisture in various grain types, including wheat, corn, paddy, and rice.

5.3 Moisture Measurement

1. Ensure the correct grain species is selected using the **SELECT** button.
2. Carefully insert the measuring probe into the grain sample. Ensure the probe is fully immersed and stable within the grain.
3. The moisture content (%) will be displayed on the LCD screen. Allow a few moments for the reading to stabilize.

5.4 Temperature Measurement

To switch between moisture and temperature display, press the **H/T** button. The display will show the temperature in Celsius or Fahrenheit. Press **H/T** again to return to moisture measurement.

5.5 Data Hold Function

Press the **MAX HOLD** button to freeze the current reading on the display. Press it again to release the hold and resume live measurement.

5.6 Backlight Activation

Press the backlight button (often indicated by a light bulb icon) to turn the display backlight on or off, improving visibility in low-light conditions.

6. MAINTENANCE

6.1 Cleaning

To clean the meter unit and probe, wipe them with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Do not use abrasive cleaners or immerse the unit in water.

6.2 Battery Replacement

When the low battery indicator appears on the display, replace the 9V battery as described in Section 4.1. Prompt battery replacement ensures accurate readings and proper device function.

6.3 Storage

Store the MD7822 meter and probe in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

7. TROUBLESHOOTING

- **No Display/Meter Not Turning On:** Check if the 9V battery is installed correctly and has sufficient charge. Replace the battery if necessary.
- **Inaccurate Readings:**
 - Ensure the probe is fully and stably inserted into the grain sample.
 - Verify that the correct grain species is selected on the meter.
 - Check for any damage or corrosion on the probe pins.
 - Ensure the ambient temperature and humidity are within the specified operating range.
- **Low Battery Indicator:** Replace the 9V battery immediately to maintain measurement accuracy.

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support is not provided within this manual. For warranty details, technical assistance, or service inquiries, please refer to the product packaging or contact the GOLDEN BLUE manufacturer or your point of purchase directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question