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JINGEDD SK2111B-2

JINGEDD Smart Grain Moisture Tester User Manual

Model: SK2111B-2

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your JINGEDD Smart Grain Moisture Tester, model SK2111B-2. This device is designed for accurate and rapid measurement of moisture content in various grains and seeds, aiding in optimal storage and processing decisions.

2. PRODUCT OVERVIEW

The JINGEDD Smart Grain Moisture Tester is a portable device featuring a metal sensor, an LCD screen, and intuitive touch buttons for ease of use. It offers multi-point calibration and automatic temperature compensation for reliable results.

PRODUCT INTRODUCTION



Figure 1: Overview of the JINGEDD Smart Grain Moisture Tester, highlighting its key components such as the sensing bin, liquid crystal display, menu, enter/select, and on/off buttons, and the battery holder.



Figure 2: The JINGEDD Smart Grain Moisture Tester, displaying its user interface and robust design.

3. SPECIFICATIONS

- **Moisture Measurement Range:** Cereals and seeds 8-35%, Oilseed 5-25%
- **Temperature Test Range:** 0-60°C
- **Measurement Error:** ±0.5%
- **Measurement Duration:** 1 second
- **Battery:** 9V dry battery (not included)
- **Automatic Functions:** Temperature compensation, backlight display, 20-minute auto-shutdown, average statistics calculation
- **Multilingual Support:** English, Polish, Spanish, Romanian, Russian, Ukrainian, Indonesian
- **Materials:** 304 stainless steel, aluminum alloy, ABS
- **Item Weight:** 2.2 pounds
- **Package Dimensions:** 3.94 x 3.94 x 3.94 inches

PRODUCT INFORMATION

- 【Product name】 Intelligent humidity tester
- 【Measurement principle】 Resistance type
- 【Measuring range】 8%-35%
- 【Measurement error】 $\pm 0.5\%$
- 【Measurement duration】 1 second
- 【Automatic function】 temperature compensation, backlight display number 20 minutes shutdown, average statistics
- 【Application】 Suitable for 37 kinds of grain humidity detector
- 【Display type】 Liquid crystal display
- 【Power supply】 9V battery
- 【Ambient temperature】 0-60°C
- 【Product net weight】 0.600kg
- 【Material】 304 stainless steel aluminum alloy, ABS

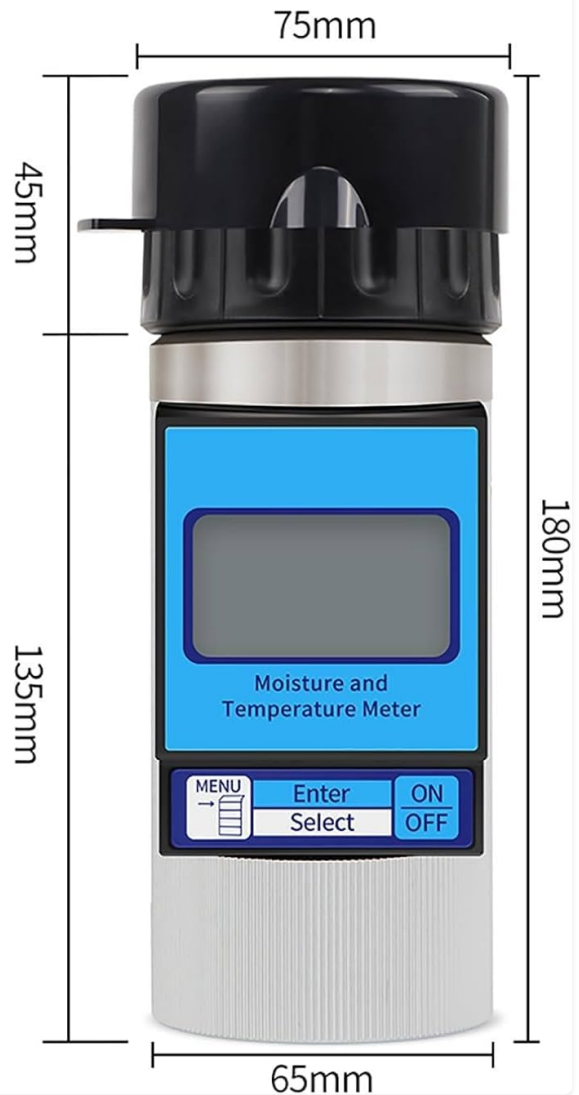


Figure 3: Detailed product specifications and dimensions of the moisture tester.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the device.
2. Open the battery compartment cover.
3. Connect a 9V dry battery to the battery connector.
4. Place the battery inside the compartment and close the cover securely.

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Video 1: Demonstration of battery installation and initial setup for the grain moisture meter.

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Video 2: Unboxing and battery installation process for the grain moisture meter.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **ON/OFF** button to power the device on or off. The device features a 20-minute auto-shutdown function to conserve battery life.

5.2 Selecting Grain Type

1. With the device powered on, press the **MENU** button to navigate through the grain type options.
2. Use the **UP** and **DOWN** arrow buttons to scroll through the available grain types (e.g., Wheat, Maize, Rice, Soybean, Coffee Bean, etc.).
3. Press the **ENTER/SELECT** button to confirm your selection.

5.3 Taking a Measurement

1. Ensure the selected grain type matches the sample you are testing.
2. Carefully fill the sensing bin with the grain sample. Ensure the bin is full for accurate readings.
3. Securely close the cap on the sensing bin. The device will automatically begin the measurement process.
4. The moisture content and temperature will be displayed on the LCD screen within approximately 1 second.

RAPID MOISTURE MEASUREMENT

37 kinds of grain hygrometer



Figure 4: The device performing a rapid moisture measurement for coffee beans.

DETAIL PRESENTATION



Stainless steel material



Humidity measuring chamber



Digital display screen with control regulator



Battery holder

Figure 5: Detailed view of the moisture meter's internal components and digital display.

5.4 Adjusting Moisture Readings

The device allows for +/- adjustments to measurements to align with other grain dealer equipment. Refer to the device's menu for specific adjustment options.

5.5 Interpreting Results

The LCD screen displays the moisture percentage and temperature. The device also calculates and displays average statistics for multiple measurements.

DETECTION RANGE



paddy



wheat



Soya bean



Corn



peanut



sesame



rapeseed



sorghum



Cocoa bean



Coffee bean



Melon seed



Dried fruit

Figure 6: Examples of grains and seeds compatible with the moisture tester.

6. MAINTENANCE

6.1 Cleaning

After each use, especially when changing grain types, ensure the sensing bin is clean and free of residual grain or dust. Use a soft brush or cloth to gently clean the interior of the bin and the sensor components. Do not use abrasive cleaners or immerse the device in water.

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Video 3: Demonstration of cleaning the grain moisture meter after use.

6.2 Storage

Store the device in a dry, cool place away from direct sunlight and extreme temperatures. When not in use for extended periods, it is recommended to remove the battery to prevent leakage.

7. TROUBLESHOOTING

- **Inaccurate Readings:** Ensure the sensing bin is clean, the grain type is correctly selected, and the sample completely fills the bin. Calibrate if necessary.
- **Device Not Powering On:** Check the battery connection and ensure the 9V battery is not depleted. Replace if needed.
- **Display Issues:** If the display is dim or unreadable, check the battery. The device has a backlight adjustment feature; refer to the operating instructions for adjustment.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the manufacturer's official website. Do not attempt to repair or modify the device yourself, as this may void the warranty and cause damage.