

User Manual



Pin-Style Pocket Moisture Meter

with NIST-Traceable Calibration

Model 20250-35



THE STANDARD IN PRECISION MEASUREMENT

Introduction

The Digi-Sense Pin-Style Moisture Meter (Model 20250-35) measures the moisture level in wood products (such as sawn timber, cardboard, and paper) and hardened materials (for example, plaster, concrete, and mortar). The meter displays the moisture level in the material as a percentage and also displays temperature. Advanced features include °F/°C unit selection, wood or material moisture measurement mode, backlit display, low-battery indicator, and automatic power-off. The instrument is fully tested and calibrated to NIST-traceable standards. Careful use of this meter will provide years of reliable service.

Unpacking

Check individual parts against the list of items below. If anything is missing or damaged, please contact your instrument supplier immediately.

1. Moisture meter with cap
2. Four LR44 batteries, installed
3. User manual
4. NIST-traceable calibration report with data

Key Features

- Wood or material moisture measurement modes
- Backlit display
- Non-slip surface
- User-selectable °F or °C units
- Low-battery indicator
- Automatic power-off to conserve battery life

Meter Description

- 1. Moisture pin probes
- 2. LCD
 - a. TREE icon for wood material
 - b. HOUSE icon for hardened material
- 3. **MODE** button (wood or material moisture measurement mode, °F/°C unit selection)
- 4. **On/Off** button



Setup and Operation

Insert electrode pins into your material (as far possible) to test the area. Repeat the process to gain a greater representation of the moisture content of the entire area tested. To save battery life, the meter will automatically turn off after approximately two minutes.

On/Off Function

The meter can be operated or shut off by pressing the **On/Off** button for at least two seconds (a long press).

Backlit Function

The backlit function can be turned on or off by pressing the **On/Off** button less than two seconds (a short press).

Changing Unit of Measurement

The temperature unit can be changed from °F to °C by pressing the **MODE** button for at least two seconds (a long press).

Changing Moisture Measurement Function

The moisture measurement reading can be changed from wood to hardened material by pressing the **MODE** button for less than two seconds (a short press). The icon on the meter will change to indicate your selection. **TREE** icon indicates wood mode and the **HOUSE** icon appears for the hardened material mode.

Automatic Power-Off Function

To turn the auto power feature on or off, press the **MODE** button and the **On/Off** button at the same time. The unit defaults to the On position.

Specifications

Range	
Moisture	Wood: 6 to 44% Material: 0.2 to 2.0%
Temperature	32 to 122°F (0 to 50°C)
Resolution	
Moisture	Wood: 1% Material: 0.1%
Temperature	1°F/C
Accuracy	
Moisture	Wood: ±2% Material: ±0.2%
Temperature	±1.8°F (1°C)

Display	LCD
Auto power-off	Unit shuts off automatically after approximately three minutes to preserve battery life
Weight	2.5 oz (71 g)
Dimensions	3½" x 1½" x ¾" (9 x 4 x 2 cm)
Power	Four LR44 batteries

Maintenance, Recalibration, and Repair

Changing the Electrode Pins

1. Unscrew the three screws at the back of the instrument.
2. Remove the housing lid.
3. Replace electrode pins.
4. Close the instrument cover and replace the three screws (replacement pins can be ordered using product number 86531-52)

Cleaning and Storage

- When necessary, the moisture meter should be cleaned with a damp cloth and mild detergent. Do not use solvents or abrasives.
- Store the meter in an area with moderate temperature and humidity.

Battery Replacement

If the battery power is insufficient, a low-battery indicator will appear. Open the battery cover and replace the four LR44 batteries. Close the cover securely.

It is recommended that Digi-Sense products are calibrated annually to ensure proper function and accurate measurements; however, your quality system or regulatory body may require more frequent calibrations. To schedule your recalibration, please contact InnoCal, an ISO 17025 calibration laboratory accredited by A2LA.

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