

Digital Pin-Type Wood Moisture Meter

Operating Manual

Testing Equipment

Intended use

Hand-held 2-pin resistance moisture meter for measuring moisture content in wood, and for checking cardboard, paperboard and dry bulk goods.

Intended users

Woodworkers, furniture makers, construction and flooring professionals, lumber and kiln operators, and quality control staff.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- The electrode pins are sharp. Keep the protective cap on when not measuring and keep away from children.
- Do not use the meter on live electrical wiring or on surfaces that may be electrically energized.
- Do not immerse the meter in water or use it in rain.
- The pins leave small holes. Measure in hidden areas on finished surfaces.
- Remove the battery if the meter will not be used for a long time.
- Do not open the housing except to replace the battery.

2. Specifications

Measuring principle	Electrical resistance, 2-pin contact
Measuring range	0-99.9% moisture content
Accuracy	+/- 0.5% (as listed)
Electrode pins	2 integrated pins, 10 mm
Wood species groups	4 groups: A, B, C, D (selected by button)
Display	LCD
Auto power-off	After about 10 minutes idle
Battery	9V

3. Unpacking and setup

- 1 Open the battery compartment and fit a 9V battery, observing polarity. Close the compartment.
- 2 Remove the protective cap from the pins.
- 3 Switch the meter on with the power button and check that the display lights.
- 4 Select the species group (A, B, C or D) that matches the wood to be tested, using the species group table in the listing or included instructions.

4. Operation

Measuring wood

- 1 Switch on the meter and select the correct species group.
- 2 Choose a clean, flat area away from the ends of the board, knots and surface coatings.
- 3 Press both pins fully into the wood, across the grain or as described in the included instructions.
- 4 Hold the meter steady and wait for the reading to settle.
- 5 Read the moisture content on the display and record it.
- 6 Take several readings at different points and use the average for the board.
- 7 Remove the pins carefully by pulling straight out. Do not twist or bend them.

- 8 Replace the protective cap after use.

Measuring paper and cardboard

- 1 Switch on the meter and select the group recommended for paper materials in the included instructions.
- 2 Press the pins into the material or a stack of sheets.
- 3 Read and record the value after it settles.
- 4 Take several readings for a representative result.

5. Cleaning and disinfection

- Wipe the pins with a dry cloth after use to remove wood residue.
- Clean the housing with a soft, slightly damp cloth. Do not use solvents.
- Keep the pins and display dry.

6. Maintenance and storage

- Store with the protective cap on, in a dry place at room temperature.
- Remove the battery for long-term storage.
- Replace bent or worn pins if replacements are available.
- Check readings periodically against a sample of known moisture content.

7. Troubleshooting

Problem	Likely cause	What to do
Display blank	Battery flat or fitted incorrectly	Replace the 9V battery and check polarity.
Reading unstable	Pins not fully inserted or poor contact	Push both pins fully into the wood and hold steady.
Reading higher or lower than expected	Wrong species group selected	Select the correct group for the wood species.
Readings vary across the board	Normal moisture variation, wet surface or end grain	Measure away from ends and take several readings.
Meter switches off during use	Auto power-off after idle time	Switch the meter on again.

8. Disposal

- Remove the battery and dispose of it at a battery recycling point.
- Dispose of the meter as electronic waste in accordance with local regulations. Do not discard in household waste.

9. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

SciMed Scientific Equipment LLC · San Jose, California, USA · scimedstore.com