

MO50A Compact Pin Moisture Meter

The MO50A Compact Pin-Type Moisture Meter makes it easy to take quick reference measurements on wood and building materials. It features a high-contrast color LCD with backlight for clear viewing in any lighting condition, along with intuitive display icons and audible alerts that simplify moisture level interpretation. Ideal for building restoration work, the MO50A helps detect moisture in floors, under carpets, behind walls, and in ceilings—making it an essential tool for assessing damage after water leaks.



MO50A Features

- High-contrast color LCD with backlight for easy viewing in any lighting condition
- Displays moisture levels in wood and building materials such as wall board, sheet rock, cardboard plaster, concrete, and mortar
- Audible Alert — Tone rate beeps faster as the moisture level increases
- Data Hold freezes reading on display
- Complete with pins (2 installed and 2 spares), protective cap, and batteries



MO50A UPC Code 793950470541

MO50A Specifications

Display	Backlit Color LCD
Sensor Type	Replaceable threaded contact pins, 8 mm (0.3 in)
Electrode Pin Length	8 mm (0.3 in)
Electrode Pins	Integrated, Replaceable, 8 mm (0.3 in)
Measurement Principle	Electrical resistance using pins
Measurement Indication	Digital, Moisture Droplet icons and Beeper for High, Medium, Low indication
WME Moisture Content (Pin)	Wood Range: 5.0% to 50.0% Building Material Range: 1.5% to 33.0%
Measurement Range (Wood)	Low: 1.5% to 16.9% Medium: 12% to 15.9% High: 16% to 50%
Measurement Range (Building Material)	Low: 1.5% to 16.9% Medium: 17% to 19.9% High: 20% to 33%
WME Moisture Content Max Resolution (Pin)	0.1%
WME Moisture Content Basic Accuracy (Pin)	±(3% + 5 digits) at 22°C to 25°C (72°F to 77°F)
Auto Power Off	After approx. 3 minutes.
Battery Type	3 × 1.5 V, AAA batteries
Power Consumption	< 45 mA, APO < 10 µA
Battery Status Indicator	3-bar battery icon (100% to empty) Full above 4.5 V Two Lattice 4.2 V to 4.5 V One Lattice 3.9 V to 4.2 V Empty Frame 3.3 V to 3.6 V Shutdown below 3.3 V
Operating Conditions	5°C to 45°C (41°F to 113°F); < 80% RH
Storage Conditions	0°C to 50°C (32°F to 122°F); < 85% RH
Operating Altitude	2000 m (6562 ft)
Dimensions	171.6 × 68 × 32.5 mm (6.7 × 2.7 × 1.3 in)
Weight	151 g (0.33 lb) excluding batteries
Certifications	CE, UKCA
Shock	4 feet drop per EN 61010-1
Vibration	Random Vibration per MIL-PRF-28800F Class 2
Electromagnetic Compatibility Standards (EMC)	EN61326-1
Accessories Included	Protective cap, 3 × AAA batteries, 2 x replacement pins, quick start guide
Warranty	2 years

Ordering

MO50A Compact Pin-Type Moisture Meter with High-Contrast LCD and Backlight

MO50A UPC Code 793950470541