EXTECH®

MO55A Combination Pin/Pinless Moisture Meter

Take quick moisture measurements from a variety of building materials using either the pin or pinless (non-invasive) method with the Extech MO55A. This easy-to-use moisture meter features a high-contrast color LCD with backlight for clear visibility in any environment. It uses intuitive display icons to indicate moisture levels and provides an audible alert that speeds up as moisture increases. Ideal for building restoration projects and applications where detecting moisture on floors, tiles, and under carpets is critical, the MO55A is also essential for analyzing the after-effects of water leakage behind walls and in ceilings.

MO55A 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
- Pinless moisture measurement depth to <25 mm (1 in)
- Audible Alert — Tone rate beeps faster as the moisture level increases
- Complete with pins (2 installed and 2 spares), protective cap, and batteries

MO55A UPC Code 793950475065

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MO55A Specifications

Display	Backlit Color LCD
Sensor Type	Replaceable threaded contact pins, 8 mm (0.3 in); non-penetrating electromagnetic sensor pad
Electrode Pin Length	8 mm (0.3 in)
Electrode Pins	Integrated, Replaceable, 8 mm (0.3 in)
Measurement Principle	Electrical resistance (pins); Capacitance (pinless)
Measurement Depth	Pinless < 25 mm (1 in)
Auto Calibration	Pinless mode in open air
Measurement Indication	Digital, Moisture Droplet icons and Beeper for High, Medium, Low indication
WME Moisture Content (Pin)	Wood: 5.0% to 50.0% Other Building Material: 1.5% to 33.0%
Measurement Range (Wood) - Pin	Low: 5.0% to 11.9% Medium: 12.0% to 15.9% High: 16% to 50%
Measurement Range (Building Material) - Pin	Low: 1.5% to 16.9% Medium: 12.0% to 15.9% High: 20% to 33%
WME Moisture Content Basic Accuracy (Pin)	±(3% + 5 digits) at 22°C to 25°C (72°F to 77°F)
WME Moisture Content Max Resolution (Pin)	0.1%
Relative Moisture Content (Pinless)	Wood: 0.0% to 99.9% Other building materials: 0.0% to 99.9% up to 25 mm (1 in) deep various with material under test
Pinless Measurement Range	Low: 0.0% to 16.9% Medium: 17:0% to 29.9% High: 30.0% to 99.9%
Relative Moisture Content Max Resolution (Pinless)	0.1%
Auto Power Off	After approx. 3 minutes.
Battery Type	3 × 1.5 V, AAA batteries
Power Consumption	Operating Current: < 15 mA (Average), 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 3.6 V to 3.9 V Flash 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 × replacement pins, quick start guide
Warranty	2 years

Ordering

MO55A .... Combination Pin and Pinless Moisture Meter with High-Contrast LCD

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