MOISTURE *METERS*

Find Moisture Problems Fast

Extech delivers a wide moisture meter selection for a variety of industries measuring moisture in wood and building materials. These meters are used by woodworking professionals, disaster restoration, and water damage professionals.

MO050 Compact Moisture Meter

Easy-to-operate with display icons that indicate the levels of moisture content plus audible alert feature

- Displays moisture level 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
- Icons display low, medium and high levels of moisture content
- Replaceable threaded measurement electrode pins
- Easy-to-use, compact-sized design
- Data Hold freezes reading on display
- Built-in battery level check and measurement verification test
- Auto Power Off conserves battery power
- Complete with replacement pins, protective cap, and 9 V battery

ACCESSORIES	
MO50-PINS	Replacement pins for MO50 (10 pins)
MO200-PINS	Replacement pins for MO210 & MO230 (50 pins)
MO220-PINS	Replacement pins for MO220 (50 pins)

SPECIFICATIONS	MO050
Sensor Type	Contact Pins
Moisture Content	5 to 50% (Wood); 1.5 to 33% (Materials)
Max. Resolution	0.1%
Temperature	—
Relative Humidity	—
CE approved	Yes
Dimensions	6.7x2.6x1.2" (170x65x30 mm)
Weight	4.2 oz (120 g) without battery
Warranty	2 years

CALIBRATION TRACEABLE TO NIST

N *Indicates products that are available with optional calibration traceable to NIST. See pages 146-147 for a complete listing.*

MO210 Pocket Size Moisture Detector

Large dual graphical LCD displays moisture in wood and other building materials

- 2-in-1 Digital LCD readout and analog bargraph
- Measures Wood Moisture and Building Material Moisture
- Use on wall board, sheet rock, cardboard, plaster, concrete, and mortar
- Self-contained, pocket sized meter with belt clip
- Replaceable threaded measurement electrode pins
- Impact proof housing
- Auto Power Off conserves battery energy
- Built-in battery check and measurement verification test
- Complete with protective cap, replacement pins, and three CR-2032 button batteries

MO230 Pocket Moisture/Hygro-Thermometer

Large dual graphical LCD displays moisture in wood and other building materials plus Air Temperature and Relative Humidity

- Simultaneous digital readout of moisture content plus ambient temperature or humidity with analog bargraph display of moisture, Max moisture values, and programmable wet/dry indication
- Use on wood, paper, wall board, sheet rock, cardboard, plaster, concrete, and mortar
- Memory contains 3 wood groups and 4 building material groups with calibrations for approximately 150 species of wood and 19 building material types
- Index Mode with programmable high and low values can be used to quickly locate moisture with comparative measurement
- Replaceable threaded measurement electrode pins
- Impact proof housing
- Auto Power Off conserves battery energy
- Built-in battery check and measurement verification test
- Complete with protective cap, replacement pins, and three CR-2032 button batteries

MO220 Wood Moisture Detector

Specifically designed for monitoring moisture in wood

- Memory contains 8 wood groups with calibrations for approximately 170 species of wood
- Measurements can be taken using the integral pin electrodes or a heavy duty remote probe (included)
- Automatically temperature compensated (ATC) readings when used with the temperature probe (included)
- Built-in calibration check
- Replaceable measurement electrode pins
- User adjustable Auto Power Off (1 to 9 minutes) with disable
- Low battery indication
- Includes remote moisture probe, Temperature probe, protective cap, replacement pins, pouch case, and 2 AAA batteries

MO210	MO230	MO220
Contact Pins	Contact Pins	Contact Pins
6 to 44% (Wood); 0.2 to 2.0% (Materials)	0 to 75% (Wood); 0.1 to 24% (Materials)	6 to 44% (Wood)
1% (Wood) / 0.1% (Materials)	1% (Wood) / 0.1% (Materials)	±1% (Wood)
—	Air: -40 to 158°F (-40 to 70°C)	Included Probe for ATC: -31 to 176°F (-35 to 80°C)
—	0 to 100% RH	—
Yes	Yes	Yes
5.1x1.6x1.0" (130x40x25 mm)	6.25x2.5x1.2" (159x63.5x30.5 mm)	7x1.9x1.2" (180x50x31 mm)
3.5 oz (100 g)	3.5 oz (100 g)	6.1 oz (175 g)
2 years	2 years	2 years

MOISTURE METERS

NEW

MO53 Pinless Moisture Meter

Non-invasive moisture measurements on wood and other building materials with virtually no surface damage

- Pinless moisture measurement depth to <0.8" (20 mm)
- Displays moisture level in wood and building materials such as wall board, sheet rock, cardboard, plaster, concrete, and mortar
- Audible Alert — Tone rate beeps faster as the
- Icons display low, medium and high levels of moisture content
- Easy-to-use, compact-sized design
- Data Hold freezes reading on display
- Built-in battery level check and measurement verification test
- Auto Power Off conserves battery power
- Complete with 9 V battery and wrist strap

Locate Moisture Efficiently and Non-destructively

When you need to scan an area for potential moisture problems without damaging the surface, Extech offers integrated flat surface pinless sensor or ball-shaped sensor that can glide through a large area in a short time without making a mark. It is easy to measure into corners and around baseboards.

SPECIFICATIONS	MO53
Pinless Moisture (relative)	0 to 99.9% (Wood); 0 to 56.5% (Building materials)
Max Resolution	0.1%
Measurement Depth	<0.8" (20 mm)
CE approved	Yes
Dimensions/Weight	6.7x2.6x1.2" (170x65x30 mm) / 4.2 oz (120 g) battery not included
Warranty	2 years

CALIBRATION TRACEABLE TO NIST

N *Indicates products that are available with optional calibration traceable to NIST. See pages 146-147 for a complete listing.*

NEW

MO280 Pinless Moisture Meter

Non-invasive moisture content of building materials and wood

- Quickly indicates the moisture content of materials
- Select from 10 wood types and measurement ranges
- LCD displays % moisture of wood or material being tested
- Measurement depth to 0.8" (20 mm) below the surface
- Automatic internal test and calibration
- Electro-magnetic testing technology
- Low battery indication
- Complete with 9 V battery and pouch

MO57 Pinless Moisture Meter

Non-invasive moisture measurement depth to <4" (100 mm)

- Displays moisture level in wood and building materials such as wall board, sheet rock, tiles, cardboard, plaster, concrete, and mortar
- Audible Alert — Tone rate beeps faster as the moisture level increases
- Icons display low, medium and high levels of moisture content
- Easy-to-use, compact-sized design
- Data Hold freezes reading on display
- Built-in battery level check and measurement verification test
- Auto Power Off conserves battery power
- Complete with 9 V battery and wrist strap

MO257 Pinless Moisture Meter

Fast response pinless moisture readings on tiles, building materials and wood from depth of 0.8" to 1.6"

- Relative pinless moisture reading for non-invasive measurement
- Multifunction backlit triple LCD display
- Pinless measurement depth from 0.8" (20 mm) to 1.6" (40 mm) below the surface
- High frequency sensing technology
- Automatic Data Hold
- Two adjustable alarm levels with audible beeper and visual (flashing "RISK" or "WET") indicators
- Automatic calibration (in dry air) when meter is powered on
- Low battery indication
- Auto Power Off
- Complete with 3 AA batteries and pouch

MO280	MO57	MO257
0 to 99% (check Group No. of the Wood/ Building Materials to determine the range)	0.1 to 99.9% (Wood/Building Materials)	0.0 to 100
0.1%	0.1%	0.1
<0.8" (20 mm)	<4" (100 mm)	0.8" to 1.6" (20 to 40 mm)
Yes	Yes	Yes
7.6x0.8x1.8" (192x30x45 mm)/ 3.8 oz (108 g)	8.3x2.8x1.3" (210x70x33 mm) / 5.5 oz (155 g) battery not included	9.25x2.5x1.1" (235x63x28 mm); 7.7 oz (218 g)
2 years	2 years	2 years

One Meter with Flexibility Measuring Moisture

Whether you need to measure moisture level using direct penetration pin-type method or detect moisture scanning a surface with non-invasive pinless sensor, Extech's got the right Moisture Meter for you. The combination of both pin and pinless sensor technology gives you the flexibility for your moisture measurements. Advanced models also offer remote specialty moisture probes to access hard to reach areas.

ACCESSORIES	
MO50-PINS	Replacement pins (10 pins)
MO200-PINS	50 Replacement pins
MO-P1	Replacement Moisture pin probe with 30" (76.2 cm) cable & RJ45 Connector (for MO265)

SPECIFICATIONS
Pinless Moisture
Pin-type Moisture (remote probe)
Max Resolution
CE approved
Dimensions/Weight
Warranty

CALIBRATION TRACEABLE TO **NIST**

Tri-color LED bargraph

MO55 Combination Pin/Pinless Moisture Meter

Easy-to-operate with display icons that indicate the levels of moisture content plus audible alert feature

- Displays moisture level 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
- Icons display low, medium and high levels of moisture content
- Replaceable threaded measurement electrode pins
- Easy-to-use, compact-sized design
- Data Hold freezes reading on display
- Low battery indicator
- Auto Power Off conserves battery power
- Complete with two pins (installed on meter), protective cap, and 9 V battery; order MO50-PINS for replacement pins

MO260 Combination Pin/Pinless Moisture Meter

Monitor moisture in wood and other building materials with virtually no surface damage

- %WME (wood moisture equivalent) pin moisture reading
- Relative pinless moisture reading for non-invasive measurement
- Digital LCD readout with backlighting feature and tri-color LED bargraph
- Quickly indicates the moisture content of materials
- Pinless measurement depth to 0.75" (19 mm) below the surface
- Electro-magnetic sensing technology
- Built-in calibration check
- Replaceable pins
- Low battery indication
- Cap protects pins during storage and can be snapped on to the side of the housing during use
- Complete with two pins (installed on meter), 9 V battery, protective cap, and case; order MO200-PINS for replacement pins

MO265 Combination Pin/Pinless Moisture Meter with Remote Probe

Measure moisture in wood or other building materials with pinless or pin type technology

- Remote pin probe included to measure moisture in difficult to access areas
- %WME (wood moisture equivalent) pin moisture reading
- Relative pinless moisture reading for non-invasive measurement
- Digital LCD readout with backlighting feature and tri-color LED bargraph
- Quickly indicates the moisture content of materials
- Pinless measurement depth to 0.75" (19 mm) below the surface
- Electro-magnetic sensing technology
- Built-in calibration check
- Low battery indication
- Storage cap protects pins
- Complete with two pins (installed on meter), remote pin probe (MO-P1), 9 V battery, protective cap, and case; order MO200-PINS for replacement pins

MO55	MO260	MO265
0 to 99%	0 to 99 (relative)	0 to 99 (relative)
5 to 50% (Wood); 1.5 to 33% (Materials)	6.0 to 94.8% WME	6.0 to 94.8% WME
0.1%	0.1/0.1%	0.1/0.1%
Yes	Yes	Yes
6.7x2.6x1.2" (170x65x30 mm) /4.2 oz (120 g) w/o battery	8x2.3x1.7" (203x58.4x43.2 mm)/7.2 oz (204 g)	8x2.3x1.7" (203x58.4x43.2 mm)/7.2 oz (204 g)
2 years	2 years	2 years

MO290/MO295 Pinless Moisture Psychrometer + IR Thermometer

BUILT-IN IR Thermometer

Pinless Moisture

Moisture Probe

Humidity/Temperature

See below for optional specialty moisture probes to expand your meter's measurement capabilities!

Multi-parameter Moisture meters with built-in IR Thermometer
- Measure moisture content of materials/wood types with Pinless technology without damaging the surface; Use remote Pin-type probe for contact moisture readings
- Simultaneously displays Moisture and Air Temperature, IR Temperature, or Humidity with automatic backlight feature
- Pinless measurement depth to 0.75" (19 mm) below the surface
- Built-in Humidity/Temperature probe measures Relative Humidity and Air Temperature and calculates Grains Per Pound (GPP)/(g/kg), Dew Point (DP), and Vapor Pressure
- Programmable high/low Moisture and Humidity alarms
- Non-contact IR Thermometer with 8:1 field of view and 0.95 fixed emissivity
- Automatic calculation of differential Temperature (IR - DP) for condensation point
- Min/Max function and Data Hold feature
- Auto Power Off to save battery life
- Low battery indication
- 2-year warranty
- Complete with MO290-P pin moisture probe (3 ft/ 0.9 m cable length), 9 V battery, and hard carrying case

Model MO295 Additional Features
- Manually store/recall up to 20 labeled readings
- Displays fast analog bargraph

SPECIFICATIONS

Moisture	Pinless: 6 to 99.9 (Relative); Pin-type with Probe: 0 to 99.9%
Max Resolution	0.1, 0.1°F/°C
Humidity	0 to 100% RH
Temperature (Air)	Air: -20 to 170°F (-29 to 77°C); IR: -4 to 392°F (-20 to 200°C)
Vapor Pressure	0 to 20.0 kPA
Dew Point	-22 to 199°F (-30 to 100°C)
Mixing ratio	0 to 999 GPP (0 to 160 g/kg)
Dimensions/Weight	6.5x2.8x1.5" (165x70x38 mm)/7.4 oz (210 g)

ORDERING (SEE BELOW FOR OPTIONAL SPECIALTY MOISTURE PROBES)

MO290	Pinless Moisture Psychrometer + IR Thermometer
MO295 [N]	Pinless Moisture Psychrometer + IR Thermometer with Memory
MO-SCREEN	Vent Cap for MO290 and MO295 (5-pack)
RH-CAP	Replacement Protective Cap (5-pack)

Moisture Probes and Pins (for MO290 & MO295)

MO290-BP

MO290-EP

MO290-HP

MO290-P

Penetrating Moisture Probes for use with select Extech Moisture Meters
- Specialty Moisture probes with RJ45 connector compatible with Extech Moisture Meters MO290 and MO295
- 6-month warranty for the moisture probes

ORDERING (Below Probes for MO290 and MO295)

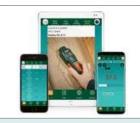|	
MO290-P	Replacement Moisture pin probe with 30" (76.2 cm) cable & RJ45 Connector
MO290-BP	Moisture Baseboard Probe (Dual fixed flat pins with 4.1"/10.5 cm pin length) with 30" (76.2 cm) cable
MO290-EP	Extension Probe with 30" (76.2 cm) cable and 4 pins
MO290-PINS-EP	12 Replacement pins (6) 3.5"/8.9 cm & (6) 6.5"/16.5 cm pin depth) and 2 lock nuts for MO290-EP probe
MO290-EXT	11.8" (30 cm) Extenders (set of 2) for MO290-EP probe
MO290-HP	Hammer Probe includes 4 pins — 1.6" (4 cm) pin depth
MO290-PINS-HP	20 Replacement pins — 1.6" (4 cm) pin depth, 2 lock nuts for MO290-HP probe

✓ **CALIBRATION TRACEABLE TO** **NIST** MO290-BP

MO55W Wireless Datalogging Pin/Pinless Moisture Meter

NEW

DAT12 included

Bluetooth®

Using the Wireless connectivity feature, Bluetooth® datalogging module, and free app, you can transmit readings right to your iOS® or Android™ devices

Moisture Meter Features
• Displays moisture level in wood and building materials
• Non-invasive Pinless moisture measurement to a max. depth of 1" (25 mm)
• Audible Alert (beep rate increases as moisture level increases)
• Icons display low, medium and high moisture range
• Built-in Pin-Mode accuracy test; Data Hold and Auto Power Off
• Ideal for building restoration, and other applications where it is critical to detect moisture in flooring, tiles, and beneath carpeting
• Complete with two pins (installed on meter), protective cap, Wireless Datalogging Module (DAT12), 9 V battery, and soft case; 2-year warranty

Wireless Datalogging Features
• Bluetooth® Datalogging Module (DAT12) can record over 15k readings and transmit them to a smart device
• Free ExView® W-Series App, provides Wireless Data Streaming with real-time remote viewing of readings
• Adjustable sample rate and file size support most application needs
• Programmable High/Low audible alarms
• Color coded log reporting for easy identification of Alarm events
• Share data files and snapshots directly from application; Export data in Excel® format
• Take snapshots of the measurement area with your connected smart phone or tablet camera to capture measurement-related images and to document date/time stamps and measurement data

Download on the App Store   **GET IT ON Google Play**

Using the wireless feature, Bluetooth® Datalogging Module, and the free ExView® W-Series App, you can transmit readings in real-time to your smart devices, store over 15k readings for wireless transfer to generate a report/data analysis, add notes and readings to photos taken from your smart device camera, and use your smart device as a 2nd display for easy viewing or sharing.

Download the Extech ExView™ W-Series App available on App Store or Google Play. NOTE: iOS/Android device not included.

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SPECIFICATIONS	PIN	PINLESS
Sensor Type	Contact Pins (Electrical Resistance)	Pinless sensor (Capacitance Sensing)
Wood Moisture Range	5 to 50.0% (0.1% resolution)	0.1 to 99.9% (0.1% resolution)
Other Building Materials	1.5 to 33.0% (0.1% resolution)	0.1 to 99.9% (0.1% resolution)
Basic Accuracy	± (3% reading + 5 digits)	—
Measurement Depth	~0.3" (8 mm) depth w/ 0.4" (10 mm) pins	1" (25 mm) depth
Wood Moisture Icon Levels	Low: 5 to 11.9%; Med: 12 to 15.9%; High: 16 to 50%	Low: 0 to 16.9%; Med: 17 to 29.9%; High: 30 to 99.9%
Building Material Icon Levels	Low: 1.5 to 16.9%; Med: 17 to 19.9%; High: 20 to 33%	Low: 0 to 16.9%; Med: 17 to 29.9%; High: 30 to 99.9%
iOS/Android compatibility	iOS 8.0 and higher/ Android 4.3 and higher	
Datalogging (with DAT12)	15,360 data points	
Dimensions/Weight	6.7x2.6x1.2" (170x65x30 mm)/4.2 oz (120 g) battery not included	

ORDERING	
MO55W	Wireless Datalogging Pin/Pinless Moisture Meter
MO50-PINS	Replacement pins (10 pins)
DAT12	Replacement Bluetooth® Wireless Datalogging Module

MO750 Soil Moisture Meter

Includes 8" (20 cm) stainless steel moisture probe

Heavy duty 8" (20 cm) stainless-steel moisture probe measures moisture content in soil
• Soil moisture content measurement from 0 to 50%
• Min/Max records minimum and maximum moisture readings
• Data hold to freeze reading on display
• Water resistant housing
• Dimensions: 14.7x1.6x1.6" (374x40x40 mm); Weight: 9.4 oz (267 g)
• 2-year warranty
• Complete with moisture probe, 4 x AAA batteries, and sensor cap

ORDERING	
MO750	Soil Moisture Meter