



Moisture Meters

Extech's Moisture meters determine % moisture in building materials including, wood, brick, tile, plaster, concrete slabs, and roofing plus soil.

Featuring Model M0220

Wide Moisture Ranges

Measures from 6 to 99.9% Wood moisture

Automatic Temperature Compensation

Displays °F or °C temperature up to 176°F (80°C)

Remote Moisture Probe (included)

Used to measure moisture in hard to reach areas

Replaceable Threaded Pins

Easy to replace threaded pins help extend the life of the meter



Measure moisture directly on the material or use remote handpress moisture probe (included) on hard materials. Also includes a temperature probe to measure Temperature and adds automatic Temperature Compensation (ATC) to your Moisture measurements for better accuracy.

Accessories

MO100-PINS..Replacement pins for MO100 (20 pins)
MO200-PINS..Replacement pins for MO210 (50 pins)
MO220-PINS..Replacement pins for MO220 (50 pins)
MO250-PINS..Replacement pins for MO250 (50 pins)
MO252Remote probe w/3.9ft (120cm) cable for MO250
MO750-P.....Replacement Moisture Probe for MO750

Specifications

Model	M0100	M0210
Sensor Type	Contact Pins	Contact Pins
Moisture Content	0 to 100	6 to 44% (Wood); 0.2 to 2.0% (Materials)
Max. Resolution	0.1	1% (Wood) / 0.1% (Materials)
Temperature °F (°C)	32 to 122°F (0°C to 50°C)	—
Dimensions/Weight	7.6x0.8x1.8" (192x30x45mm)/ 3.8oz (108g)	5.1x1.6x1.0" (130x40x25mm)/3.5oz (100g)
CE	Yes	Yes
Warranty	1 year	1 year



Multi-position sensor with safety storage and position lock

M0100 Pocket Size Moisture Detector

Convenient adjustable pins for wood and building materials

- Unique dual LCD displays wall moisture (0 to 100) and air temperature (32° to 122°F or 0 to 50°C) simultaneously
- Moisture content displayed on a relative scale
- Multi-position pins with safety storage of replaceable pins
- Easy to operate with selectable side switch (OFF, Test, and Calibrate)
- Data hold to freeze reading on display
- Calibration adjustment for better repeatability
- °C/°F switchable
- Low battery indication
- Complete with 2 AAA batteries, 10 spare pins, and pouch case



Battery check and measurement verification test

M0210 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



Includes remote moisture and temperature probes

M0220 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 settable 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 battery



Optional remote probe (M0252)

M0250 Wood/ Building Material Moisture Meter

Combination LED bargraph indicator and large digital LCD reading

- Wood and building material moisture measurement
- Basic accuracy of 5%
- LCD display with the red LED bar graph
- Built-in pins, all in one, easy operation
- Data hold and MAX/MIN
- Complete with 9V battery
- Optional remote probe with 3.9ft (120cm) cable (M0252) measures wood moisture in difficult to access areas see p. 88 to order)



NEW



Large LCD display

M0750 Soil Moisture Meter

Integrated 8" (20cm) Heavy Duty Moisture Probe monitors the moisture level in soil

- Soil moisture content measurement from 0 to 50%
- Easy one-hand operation
- Min/Max records minimum and maximum moisture readings
- Data hold to freeze reading on display
- Water resistant housing
- Replaceable Heavy Duty Moisture Probe (M0750-P)
- Complete with moisture probe, 4 x AAA batteries and sensor cap

M0220	M0250	M0750	Model
Contact Pins	Contact Pins	Integrated Contact Probe	Sensor Type
6 to 99.9% (Wood)	6 to 40% (Wood); 13 to 100% (Materials)	0 to 50%	Moisture Content
±1% (Wood)	0.1%	0.1%	Max. Resolution
-31 to 176°F (-35 to 80°C)	—	—	Temperature °F (°C)
7x1.9x1.2" (180x50x31mm) 6.1oz (175g)	8.4x2.7x1.2" (217x69x30mm)/ 8.9oz (251g)	14.7x1.6x1.6" (374x40x40mm)	Dimensions/Weight
Yes	Yes	Yes	CE
1 year	1 year	1 year	Warranty



Pinless Moisture Meters

The versatile M0290 and M0295 Moisture Meters allow for pinless moisture measurement preventing any surface damage. For applications that requires a more accurate moisture reading, a pin probe (included with the meter) is used to penetrate the surface of the area being measured. A patented built-in InfraRed Thermometer adds value to the Moisture Meters allowing non-contact temperature measurement to determine if the surface is near or at the Dew Point level indicated.

Featuring Model **M0295**

▶ Remote Pin-style Moisture Probe

Used to measure moisture in hard to reach areas (included)

▶ 20 Point Memory

Stores/Recall 20 readings of each parameter: Moisture, Relative Humidity, Air Temperature plus Grains Per Pound (GPP), Dew Point (DP), and Vapor Pressure

▶ Large Dual LCD with Bargraph

Displays both Moisture and Temperature reading plus bargraph to show trending of Moisture level



Patent Pending

See p. 92 for complete Restoration Kits that include meters and accessories stored in a hard carrying case

Accessories for M0290 and M0295

Moisture Extension Probe

M0290-EPExtension Probe: Moisture Extension Probe with 30" cable. Includes 4 pins (8.5cm pin depth)

M0290-PINS-EPReplacement pins (20 pins, 8.5cm pin depth) for M0290-EP probe

M0290-EXT11.8" (30cm) Extender Handles (set of 2) for M0290-EP

Moisture Hammer Probe

M0290-HPMoisture Hammer Probe with 30" cable. Includes 4 pins (4cm pin depth)

M0290-PINS-HPReplacement pins (40 pins, 4cm pin depth) for M0290-HP

Moisture Pin Probe

M0290-PMoisture Pin Probe with 30" cable. Includes 4 pins (1cm pin depth)

M0220-PINSReplacement pins (50 pins, 1cm pin depth) for M0290-P probe

Moisture Baseboard Probe

M0290-BPMoisture Baseboard Probe (Dual fixed flat pins with 10.5cm pin length) w/30" cable

Specifications

Model	
Pinless Moisture	
Pin-type Moisture (remote probe)	
Relative Humidity	
Temperature (Air)	
Temperature (IR)	
Max Resolution	
Dimensions/Weight	
CE	
Warranty	



M0280 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 0.75" (22mm) below the surface
- Automatic internal test and calibration
- Electro-magnetic testing technology
- Low battery indication
- Complete with 9V battery and pouch case



NEW

BUILT IN IR
Thermometer
Patent Pending



Includes M0290-P remote moisture probe

M0290 Pinless Moisture Meter + IR Thermometer

5-in-1 Meter with patented built-in IR Thermometer

- Quickly identify surface temperature changes with built-in IR thermometer and verify moisture levels with pinless sensor or pin-type probe (included)
- Pinless measurement depth to 0.75" (19mm) below the surface
- Patented IR design measures non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity
- Measures Relative Humidity, Air Temperature plus Grains Per Pound (GPP), grams/kg, Dew Point (DP), Condensation levels, and Vapor Pressure
- Programmable high/low Moisture and Humidity alarms
- Calculation of differential Temperature (IR - DP) to determine condensation point
- Min/Max, Data Hold, Auto power off and low battery indication
- Complete with pin moisture probe, 9V battery, and case



NEW

BUILT IN IR
Thermometer
Patent Pending



Includes M0290-P remote moisture probe

M0295 Pinless Moisture Meter with Memory + IR Thermometer

Memory stores up to 20 readings of each parameter and displays trending bargraph of Moisture level

- Stores 20 readings of Moisture, Relative Humidity, Air Temperature plus Grains Per Pound (GPP), grams/kg, Dew Point (DP), Condensation levels, and Vapor Pressure
- Pinless measurement depth to 0.75" (19mm) below the surface
- Remote Pin-type probe (included) allows for surface contact moisture readings
- Patented IR design measures non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity
- Programmable high/low Moisture and Humidity alarms
- Calculation of differential Temperature (IR - DP) to determine condensation point
- Min/Max, Data Hold, Auto power off and low battery indication
- Complete with MO290-P pin moisture probe, 9V battery, and case

M0280	M0290	M0295
0 to 99% (limited by wood type)	0 to 99.9 (Relative)	0 to 99.9 (Relative)
—	0 to 99.9%	0 to 99.9%
—	0 to 99.9% RH	0 to 99.9% RH
—	-20 to 170°F (-29 to 77°C)	-20 to 170°F (-29 to 77°C)
—	-4 to 392°F (-20 to 200°C)	-4 to 392°F (-20 to 200°C)
0.1%	0.1%, 0.1°F/°C	0.1%, 0.1°F/°C
7.6x0.8x1.8" (192x30x45mm)/ 3.8oz (108g)	6.5x2.8x1.5" (165x70x38mm)/ 7.4oz (210g)	6.5x2.8x1.5" (165x70x38mm)/ 7.4oz (210g)
Yes	Yes	Yes
1 year	1 year	1 year

MO290-RK Water Restoration Contractor Kit

NEW

A complete solution for the Restoration Contractor

Features:

- Use combination moisture meter/thermal hygrometer to capture all ambient conditions as well as moisture levels in one meter. Includes essential probes to measure moisture levels under baseboards, in between walls, and in hard wood and plywood subfloors. Use USB Humidity/ Temperature datalogger for GPP calculations
- MO290 includes: Pin Probe, Hammer Probe, Deep Wall Probe, and Baseboard Probe for contact moisture readings (see p. 90 for details)
- Supplied in a rugged hard carrying case
- **Model MO290 Pinless Moisture Psychrometer + IR Thermometer** monitors moisture in wood and building materials with no surface damage. Built-in patented IR Thermometer for non-contact temperature; Fixed probe measures Air Temperature, RH, Grains Per Pound (GPP), Dew Point (DP), & Vapor Pressure (see p. 91)
- **Model RHT10/RHT10-SW** Humidity/Temperature USB Datalogger + GPP (g/kg) Calculation datalogs 16,000 data (RH and Temperature). USB interface and software included (see p. 83).



Special
Value Kit



MO290

RHT10

Ordering

MO290-RK...Water Restoration Contractor Kit

MO280-RK Restoration Contractor's Kit

NEW

A complete solution for the Restoration Contractor

Features:

- Use pin and pinless meters to better diagnose the amount of moisture content. Thermal Hygrometer provides fast, accurate readings of ambient room conditions and GPP (g/kg) calculations
- Supplied in a rugged hard carrying case
- **Model MO280 Pinless Moisture Meter** displays 0 to 99% moisture (select from 10 wood types). Measurement surface depth to 0.75" (22mm) with virtually no surface damage (see p. 91).
- **Model MO220 Wood Moisture Meter** with integral pins or remote pin probe displays 6 to 99.9% moisture level (8 wood types with calibrations for approx. 170 species of wood) (see p. 89).
- **Model RH490 Precision Hygro-Thermometer** with 2%RH accuracy and fast 30sec RH response time. Measures Humidity, Temperature, Dew Point, Wet Bulb, GPP and g/kg (see p. 85).
- **Model RHT10/RHT10-SW** Humidity/Temperature USB Datalogger + GPP (g/kg) Calculation datalogs 16,000 data (RH and Temperature). USB interface and software included (see p. 83).



Special
Value Kit



MO220

RHT10

MO280

RH490

Ordering

MO280-RK...Restoration Contractor's Kit

MO280-KH Home Inspector Kits

Aid in identification of moisture, HVAC, electrical and hot water system issues

Features:

- Specifically designed for home inspection professionals
- Supplied in an attractive storage case
- Dims: 9.5x6.8x2.8" (241x173x71mm); Wt: 1.8lbs (0.7kg)
- **Model MO280 Pinless Moisture Meter** displays 0 to 99% moisture (select from 10 wood types). Measurement surface depth to 0.75" with virtually no surface damage (see p. 91).
- **Model 42500 IR Thermometer** for testing HVAC supply and return. Measures from -4 to 500°F (-20 to 260°C) (see p. 75)
- **Model ET10 GFCI Receptacle Tester** tests for faulty wiring in 3 wire receptacle and GFCI Circuits and detects 5 wiring faults (not included in MO280-KH2 kit)
- **Model 39240 Waterproof Stem Thermometer** for testing hot water heaters. Measures temperature from -40 to 392°F (-40 to 200°C) (see p. 81)



MO280-KH.

Special
Value Kit



39240



MO280



42500



ET10

Ordering

MO280-KH.....Home Inspector Kit

MO280-KH2....Home Inspector Kit

(MO280-KH2 does not include ET10)

MO280-KW Water Damage Restoration Kit

To monitor job site conditions, progress, and insurance company reporting

Features:

- Specifically designed for water damage restoration contractors
- Supplied in an attractive storage case
- Dims: 9.5x6.8x2.8" (241x173x71mm); Wt: 1.8lbs (0.7kg)
- **Model MO280 Pinless Moisture Meter** displays 0 to 99% moisture (select from 10 wood types). Measurement surface depth to 0.75" (22mm) with virtually no surface damage (see p. 91).
- **Model RH490 Precision Hygro-Thermometer** with 2%RH accuracy and fast 30sec RH response time. Measures Humidity, Temperature, Dew Point, Wet Bulb, GPP and g/kg (see p. 85).
- **Model MO210 Pocket Moisture Meter** measures moisture of wood or other building materials displaying both digital and graphical readings (see p. 88).



Special
Value Kit



RH490



MO280



MO210

Ordering

MO280-KW....Water Damage Restoration Kit