

Измерители влажности DT-229, DT-239, DT-73MC, DT-73MR, DT-73TH, DT-8321, DT-853, DT-91, DT-98

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DT-229/239

Multifunction Moisture Meter with Psychrometer + IR Thermometer

CEM

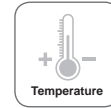
Multifunction Moisture Meter with Built-in Psychrometer and IR Thermometer, Monitoring the moisture in wood and other building materials with virtually no surface damage with the Non-Penetrating Moisture sensor. Measuring Humidity and Air Temperature with built-in probe plus non-contact InfraRed Temperature design.

Features

- Quickly indicates the moisture content of materials with Pinless technology without damaging the surface (239)
- Easy to read, large dual display with automatic backlight feature
- Simultaneously displays moisture value of wood or material being tested, Air Temperature, Humidity and IR Temperature
- Pinless measurement depth to 0.75" (19mm) below the surface (239)
- Programmable high/low Moisture and Humidity alarms
- Designed with an IR circuit to measure non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity
- Built-in Humidity/Temperature probe measures Relative Humidity, Air Temperature plus Grains Per Pound (GPP)/(g/kg), Dew Point (DP), Vapor Pressure, and condensation point
- Automatic calculation of differential Temperature (IR - DP) to determine condensation point
- Min/Max and Data Hold
- Auto power off and low battery indication

Specifications

| | | 229 | 239 |
|--------------------------------------|---|-----|-----|
| Pin-type moisture Measurement | | | |
| Range | 0 to 99.9 (Relative) | * | |
| Accuracy (of reading) | ±5% | * | |
| Resolution | 0.1 | * | |
| Pinless Moisture Measurement | | | |
| Range | 0 to 99.9 (Relative) | | * |
| Accuracy (of reading) | ±5% | | * |
| Resolution | 0.1 | | * |
| Pinless Depth | up to 0.75" (19mm) | | * |
| IR Temperature Measurement | | | |
| Range | -50 to 200°C (-58 to 392°F) | | * |
| Distance to Spot size | 8:1 Distance to Spot size | | * |
| Emissivity | 0.95 | | * |
| Response Time | Less than 1 second | | * |
| Resolution | 0.1 | | * |
| Basic Accuracy | ±3.5°C (±6.3°F) | | * |
| Air Temperature Measurement | | | |
| Air Temp Range | -28 to 77°C / -20 to 170°F | * | * |
| Basic Accuracy | ±2°C / 3.6°F | * | * |
| Humidity Range | 0 to 100%RH | * | * |
| Basic Accuracy | ±5% RH @ 0% to 20% and 80% to 100% ±3.5% RH @ 20% to 80% | * | * |
| Vapor Pressure | 0 to 20.0kPA | * | * |
| Dew Point | -22 to 199°F (-30 to 100°C) | * | * |
| Mixing ratio | 0 to 999GPP (0 to 160g/kg) | * | * |



replaceable pin



Model 229



EMC
EN: 61326



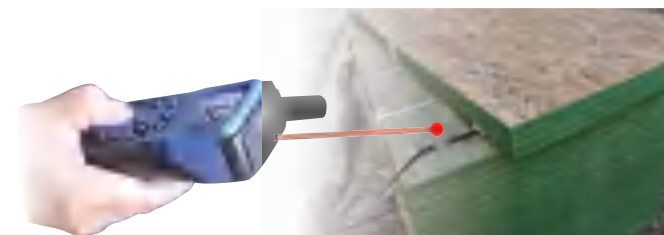
Model 239



Measure moisture of wall material with non-invasive Pinless technology



Pinless moisture measurements



Patented IR thermometer design locates cold spots on walls, which identifies surfaces subject to condensation (direct differential display of IR - DP)

Size(HxWxD): 170mm x 70mm x 38mm

Weight: 280g

Accessories: Gift Box with Carrying Case

DT-73MC/73MR/ MiNi Environment Meter

CEM

73T is a simple measuring TDS tester.

73MC Non-contact Moisture Meter with pinless depth up to 0.75".

DT-73MC Specifications

| | |
|-----------------|-------------------|
| Measuring Range | 0 ~ 99.9 |
| Accuracy | ± 5 |
| Pinless Depth | up to 0.75"(19mm) |
| Resolution | 0.1 |

73MR is a conductivity moisture instrument designed for use in wood, used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar).

Features

- Large LCD display
- Readings with Moisture Probe or Hammer Electrode
- Readings with Integral electrode Pins

Specifications

| | |
|-----------------------|------------------------------------|
| Measuring principle | Electrical resistance |
| Electrode length | 8mm |
| Electrodes | Integrated, replaceable |
| Measuring range | Wood: 6-99.9% |
| Display Accuracy | Wood: ±2% (6%~60%), ±4% (60%~99%), |
| Temperature measuring | 0-60°C |



Model 73TH

Model 73MR

DT-73TH is a device measures Humidity & Air Temperature

Specifications

| | Range | Accuracy | Resolution |
|-------------------------|---------------------|-----------|-------------|
| Temperature Measurement | -20-60°C/-4°F-140°F | ±1°C/±1°F | 0.1°C/0.1°F |
| Humidity Measurement | 0-100%RH | ±4%RH | 0.1%RH |

DT-8321

Professional Hand-Held Temperature / Humidity & Dewpoint Meter

CEM

The Handheld Dewpoint Meter measures dew point temperature accurately over a wide measurement range. The probe may be inserted directly into pressurized processes, and it responds rapidly from ambient to process conditions. The sensor withstands condensation and fully recovers from getting wet. The meter is suitable for direct process dew point measurement in a wide temperature and pressure range.



Features

- Designed for industrial spot-checking and field calibration
- Accurate measurement ranges from -50 to +30 °C (-58 to +86 °F)
- The high quality sensor, optimal for low humidity measurement
- Low maintenance need due to superior long-term stability
- Sensor withstands condensation
- Fast response, enhanced by Sensor Purge option
- Data can be logged and CSV file transferred to a PC via USB
- Compact, small and light
- CSV file Data logger
- Rechargeable lithium battery

DP-50 probe Specifications

| Function | Range | Resolution | Accuracy |
|-------------------|----------------------------|------------|--|
| Relative Humidity | 0 to 100% | 0.01 | RH<5% ±(0.025%RH+17.5%rdg) RH>5% ±(1%RH+5%rdg) RH>15% ±(2%RH+3%rdg) |
| Dew point | -50~30 °C (-58~86 °F) | 0.01 | -40...+20°C ±2°C (±3.6°F) |
| Temperature | -10~ 60 °C (14 ~140 °F) | 0.01 | -10 ... +50 °C (+14 ... +122 °F) ±0.3°C(±0.54 °F) rest of range ±0.4°C(±0.72 °F) |

Dew point response time : flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]
0 -> -40 °C Td (32 -> -40 °F Td) 20 s [120 s]
-40 -> 0 °C Td (-40 -> 32 °F Td) 10 s [20 s]

DP-60 probe Specifications

| Function | Range | Resolution | Accuracy |
|-------------------|------------------------------|------------|---|
| Dew point | -70 ~ 30 °C (-94 ~ 86 °F) | 0.01 | -60 ~ +20 °C ±2 °C (±3.6 °F) |
| Relative Humidity | 0 ~ 100% | 0.01 | RH<5% ±(0.025%RH+17.5%rdg) RH>5% ±(0.8%RH+2%rdg) |
| Temperature | -10 ~ 60 °C (14 ~ 140 °F) | 0.01 | ±0.2°C (±0.36 °F) |

Dew point response time: flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]
0 -> -60 °C Td (32 -> -76 °F Td) 50 s [340 s]
-60 -> 0 °C Td (-76 -> 32 °F Td) 10 s [20 s]

CE

EMC
EN: 61326

High Accuracy

Fast Response



Model 8321

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories : 3.7V Li-ion battery and Sensor probe,
Gift box with carrying case.

DT-90/91/92/93/95/98

Mini Environment Meters with Bluetooth

CEM

Made for
 iPod  iPhone  iPad

 Bluetooth


 Meterbox Pro

CE
 EMC
 EN: 61326

DT-90 Mini Anemometer

| Specifications | | |
|--------------------------------|--------------------------|-----------------|
| Function | Range | Accuracy |
| m/s(meter per second) | 0.40~25.00 | ±3.5% ±0.20m/s |
| ft/min(feet per minute) | 80~2980 | ±3.5% ±40ft/min |
| km/h(kilometers per hour) | 1.4~54.0 | ±3.5% ±0.8km/h |
| MPH(miles per hour) | 0.9~33.0 | ±3.5% ±0.4MPH |
| Knots(nautical miles per hour) | 0.8~29.0 | ±3.5% ±0.4knots |
| Air Temperature | -10 to 60°C(14 to 140°F) | ± 2.0°C(4.0°F) |

Bluetooth interface for easy data transfer



Model 90



Model 95

DT-91 Mini Temperature & Humidity Meter

| Specifications | | | |
|----------------|-------------------------|------------|--------------|
| Function | Range | Resolution | Accuracy |
| Temperature | -20 to 60°C/-4 to 140°F | 0.1°C/°F | ±0.5°C/0.9°F |
| Humidity | 0 to 100%RH | 0.1%RH | ±3%RH |

Bluetooth interface for easy data transfer

DT-92 Mini Light Meter

| Specifications | | | |
|----------------|------------------|---------------|---------------------|
| Function | Range | Resolution | Accuracy |
| Light | 40,000Lux /Fc | 0.1Lux/0.01Fc | ±5%±10d(<10,000Lux) |
| Measuring Rate | 1.5 times/second | | |

Bluetooth interface for easy data transfer



Model 92



Model 93

DT-93 2 in 1 HCHO & TVOC Meter

| Specifications | | | |
|----------------|-------------------------------|-----------------------|----------|
| Function | Range | Resolution | Accuracy |
| HCHO | 0.00 to 5.00mg/m ³ | 0.01mg/m ³ | ±5%F.S |
| TVOC | 0.00 to 9.99mg/m ³ | 0.01mg/m ³ | ±5%F.S |

Bluetooth interface for easy data transfer

DT-95 Mini Sound Level Meter

95 Mini Sound level meter have a wide dynamic range from 35 to 130dB. It has different frequency weighting A and C to respond to human sense or machine monitoring purposes.

| Specifications | | |
|---------------------|------------|-----------------------|
| Function | Range | Accuracy |
| Sound Level | 35 ~ 130dB | ±3.0dB(ref 94dB@1kHz) |
| Frequency | 31.5 ~8kHz | |
| Frequency Weighting | A, C | |

Bluetooth interface for easy data transfer

DT-98 Mini Pinless Moisture Meter

| Specifications | |
|-------------------|-------------|
| Measuring Range | 0.0~100.0 % |
| Penetration Depth | 20~40mm |
| Resolution | 1 |

Features

- Quickly indicate the moisture content of materials
- CM % measured function
- Depth of penetration about 20-40mm with alarms.
- Measure and HOLD Function
- MAX/MIN display Function
- Programmable moisture alarms
- Auto Power Off & low battery indication
- White Backlit LCD Display

Size(HxWxD): 185mm x 55mm x 38mm

Weight: 139g

Accessories : 9V battery, Clamshell.

3.7V Li-battery (DT-96)



Model 91



Model 98

DT-853

Pinless Moisture Meter

CEM

Features

Quickly indicate the moisture content of materials
CM % measure function
Depth of penetration about 20-40mm with alarms.
Measure and HOLD Function
MAX/MIN display Function
Programmable moisture and humidity alarms
Auto Power Off & low battery indication
White Backlit LCD Display

Specifications

| | |
|-------------------|-------------|
| Measuring Range | 0.0~100.0 % |
| Penetration Depth | 20~40mm |
| Resolution | 0.1 |

Moisture Table of Comparison

| Construction material | Display | Moisture status |
|-----------------------|----------------|-----------------|
| Gypsum | <30 digits | dry |
| | 30 – 60 digits | at risk |
| | >60 digits | wet |
| Cement | <25 digits | dry |
| | 25 – 50 digits | at risk |
| | 50 – 75 digits | wet |
| | >75 digits | all wet |

Size(HxWxD): 248mm x 65mm x 45mm

Weight: 248g

Accessories :

9V battery, gift box and carrying case.



Model 853



EMC
EN: 61326



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