# Moisture Meters

**GENERAL**®

## FEATURES

## SPECIFICATIONS

### PRECISION LED MOISTURE METER WITH SIGNAL OUTPUT

Precision instrument for accurate moisture reading in wood and timber.

- 1% Accuracy
- High Resolution Multi-color LED bar graph readout 5.5% to 99.9% moisture range
- Protective cap for safe carrying and operation
- Auto temperature compensation and calibration adjustment
- 99 Point memory
- Ergonomic design, comfortable and durable
- Convertible to non-invasive measuring by adding optional MP7002 probe
- Audible Alarm starts for catch reading
- Audible and visual low battery warning
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

♦ Measuring Range:
5.5 to 99.9% H2O %WME
♦ Accuracy (at 25°C): ±1% Wood Scale
♦ Indicator: LED bar graph
♦ Color Codes: Green (<16%)
Yellow/Red (>21%)
♦ Signal Output: 0 to 1Vdc 10mV%
♦ Calibration: Automatic Temperature compensation
♦ Built-in calibration adjustment
♦ Power Source: 1 "9V" battery (included)
Includes:
- 1 MM70 Meter with .5 in. (12.7mm) pins
- 1 MP7021 External Pin Type Probe 39 in. (1 meter) long with .5 in. (12.7mm) pins
- Additional Set of Interchangeable Long Pins .9 in. (23mm)
- Protective Fabric Carrying Case
- User's Manual

| UPC | NO. |
|---|---|
| 07020 8 | **MM70** |
| 70604 6 | **MP7021** External Pin Type Probe 39 in. (1 meter) long (Replacement) |
| 07070 3 | **MP7022** External Roller-Type Probe 39 in. (1 meter) long (Optional) |

**MM70**

### PRECISION DIGITAL MOISTURE METER WITH SIGNAL OUTPUT

Precision digital instrument for accurate moisture reading in wood and timber.

- 1% Accuracy
- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off
- Ergonomic design, comfortable and durable
- Easy operation
- Audible and visual low battery warning
- Interchangeable extension probe
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

♦ Measuring Range: 5.5 ~ 99.9% H2O %WME
♦ Resolution: 0.1%
♦ Accuracy: (at 25°C) ±1% Wood scale
♦ Display: Digital dual LCD display, with multi-function indicator
♦ Sampling Rate: 0.3 seconds
♦ Wood group scales: Select from 8 wood species groups
♦ Data memory: 99 readings
♦ Signal output: Analog DC 0 ~ 1V (10 mV / 1%), load > 500Ω
♦ Calibration: Built-in calibration adjustment
♦ Power: About 250 hours for continuing use (none back light)
♦ Operating: -20° to 55°C, <90%RH, non-condensing
♦ Dimensions: 6.0 x 2.2 x 1.26 in. (153 x 56 x 32mm)
♦ Weight: 5.5 oz. (155g) including battery
♦ Power Source: 1 "9V" battery (included)

| UPC | NO. |
|---|---|
| 07010 9 | **MM70D** |
| 70604 6 | **MP7021** External Pin Type Probe 39 in. (1 meter) long (Replacement) |
| 07070 3 | **MP7022** External Roller-Type Probe 39 in. (1 meter) long (Optional) |

**MM70D**

Includes: • 1 MM70D Meter with two .5 in. (12.7mm) pins
- 1 MP7021 External Pin Type Probe 39 in. (1m) long with .5 in. (12.7mm) pins
- Additional Set of Interchangeable Long Pins .9 in. (23mm)
- Protective Fabric Carrying Case
- User's Manual

### PRECISION DIGITAL & LED MOISTURE METER

Use to measure moisture content in wood, timber and concrete.

- Wood material: 6% to 40% moisture content
- Concrete material: 0% to 100% moisture content
- Measures temperature
- Red LED bar graph indicator with LCD display
- Easy Operation
- Replaceable Tips
- Hold, Record (Min/Max)

♦ Pin length: .5 in.
♦ Power Source: 1 "9V" battery (not included)
Includes: • Extra pins
• Protective cover
• User's Manual

| UPC | NO. |
|---|---|
| 07003 1 | **MMD7003** |
| 01255 0 | **MP7003** External Pin Type Probe (Optional) |

**MMD7003**

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

# Moisture Meters & Optional Probes

## FEATURES

## SPECIFICATIONS

### ALL-IN-ONE DELUXE MOISTURE METER KIT COMPLETE WITH PIN-TYPE AND NON-INVASIVE ROLLER-TYPE PROBES

Precision digital moisture meter for highly accurate readings in wood, timber and many other materials.

- Digital LCD display with luminescent back-light
- Protective cap for safe carrying and operation
- Hardened gloss treatment on display-window for an abrasion-proof long-term clean lens
- 5.5% to 99.9% moisture range with DC 0~1V output
- Stores up to 99 readings, Max/Min average values recalled
- Auto temperature compensation and internal calibration
- Auto power off
- Ergonomic design, comfortable and durable
- Easy operation
- Audible and visual low battery warning
- Interchangeable extension probes
- CE and RoHS approved

- ♦ Measuring Range: 5.5 to 99.9% $H_2O$% WME
- ♦ Resolution: 0.1%
- ♦ Accuracy: (at 25ºC) ±1% Wood scale
- ♦ Display: Digital dual LCD display, with multi-function indicator
- ♦ Sampling Rate: 0.3 seconds
- ♦ Wood Group Scales: Select from 8 wood species groups
- ♦ Data Memory: 99 readings
- ♦ Signal Output: Analog DC 0 ~ 1V (10 mV/1%), load >500V
- ♦ Calibration: Built-in calibration adjustment
- ♦ Power: About 250 hours for continuing use (without back-light)
- ♦ Operating: -4º to 122ºF (-20º to 55ºC), <90%RH, non-condensing
- ♦ Dimensions: 6.0 x 2.2 x 1.26 in. (153 x 56 x 32mm)
- ♦ Weight: 5.5 oz. (155g) including battery
- ♦ Power Source: 1 "9V" battery (included)

**MM70D-7022KIT**

**NEW!**

CE
RoHS

Kit includes: 1 each
- **MM70D** Precision LCD Moisture Meter with Interchangeable Pin-Type Probes
- **MP7021** External Interchangeable Pin-Type Probe
- **MP7022** External Roller-Type Probe
- Additional Set of Extension Pins
- User's Manual

| UPC | NO. |
|---|---|
| 01292 5 | **MM70D-7022KIT** |

**MP7021**

**MP7022**

**MM70D**

**MP7003**
*Shown with optional MP7003 probe*

**MP7021**

**MP7022**

### PROBE ACCESSORIES

| UPC | NO. | DESCRIPTION |
|---|---|---|
| 01255 0 | **MP7003** | External Pin Type Probe for MMD7003 |
| 70604 6 | **MP7021** | External Pin Type Probe for MM70, MM70D |
| 07070 3 | **MP7022** | Roller Type Probe for MM70, MM70D |

# Moisture Meters

**GENERAL®**

## FEATURES                    SPECIFICATIONS

### LED MOISTURE METER

Ideal to use in woodworking, building construction and agriculture. Meter is also used in the restoration business to check if there is moisture in carpets and sub-flooring.

- LED Display
- Check wood, drywall and concrete before painting, sealing or treating
- Locate and identify water leaks in roofs, floors and walls
- Ideal for selecting dry lumber
- Great for home owners, contractors and inspectors
- CE and RoHS approved

♦ Display: Progressive LED's, 3 Green (5, 10, 12%); 2 yellow (14, 16%); Red (18, 20, 22%)
♦ Range: 8-22%
♦ Resolution: 0.1%
♦ Accuracy: ±2%
♦ Sampling Rate: 1s
♦ Operating Environment: 32° to 122°F (0° to 50°C), RH<90%
♦ Dimensions: 5.7 x 2.4 x 1.2 in. (145 x 60 x 30mm)
♦ Weight: 4.4 oz. (125g)
♦ Power Source: 1 "9V" battery (included)
Includes: • Protective Cover
          • Instruction Manual

| UPC | NO. |
| --- | --- |
| 10188 9 | **MM1E** |

**CE RoHS**

**MM1E**

### DIGITAL/LCD/LED MOISTURE METER

Ideal for contractors and homeowners to accurately measure moisture content in wood, concrete, drywall, subflooring and other construction materials.

- Accurately and professionally measure moisture in wood and building materials including brick, concrete, drywall, plaster, wood and lumber
- Strong stainless steel pins
- Audible alarms
- Battery status indication
- Hold button to freeze/hold reading
- Ergonomically designed
- CE approved

♦ Measuring range:
   Wood: from 5% – 50%
   Building material: from 1.5% – 33%
♦ Resolution: 0.1%
♦ Accuracy: ±3%
♦ Audible alarm: 8 different tones level
♦ Auto power off: 3 minutes
♦ Power Source: 1 "9V" battery (included)
Includes: • Protective Cover
          • User's Manual

| UPC | NO. |
| --- | --- |
| 41447 7 | **MMD4E** |

**CE**

**MMD4E**

### PROFESSIONAL WOOD AND CONSTRUCTION MOISTURE METER

Use to measure moisture content in wood, timber, concrete and other construction materials.

- Detects moisture in soft construction materials such as gypsum or plaster and wood
- Easy to use
- Ergonomic design
- Illuminated LCD with bar graph display
- Measured value can be read quickly from the large clear dual scale
- Protective cap with self-test function
- Auto power off
- Low battery display
- CE and RoHS approved

♦ Range/Accuracy: Wood: 0 - 44% / ±2%
   Building materials: 0.2 to 2.2% / ±0.4%
♦ Operating Environment: 32° to 104°F (0° to 40°C), RH: <85%
♦ Power Source: 3 "CR2023" batteries (included)
Includes: • Instruction Manual

| UPC | NO. |
| --- | --- |
| 01306 9 | **MM80G** |

**MM80G**

**CE RoHS**

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

**GENERAL®**

## FEATURES

## SPECIFICATIONS

### PRECISION DIGITAL MOISTURE METER WITH RS232 OUTPUT

Precision digital instrument for accurate moisture reading in a wide variety of material and commercial/industrial applications.

- High accuracy, Auto temperature compensation
- Auto/Manual Power off
- Hold/Min/Max
- 8 wood calibration scales for different types of wood
- Built-in calibration (CAL) function; user adjustable
- Stores up to 99 readings, Max/Min average values recalled
- Water/dust-proof, Easy to operate, Long-term stability
- Auto Calibrate
- Low Battery warning
- Additional set of long pins .9 in. (23mm) included
- CE and RoHS approved

Includes:
- 1 **MM700D** Meter with .5 in. (12.7mm) pins
- 1 **MP7011** External Pin Type Probe 39 in. (1m) long with .5 in. (12.7mm) pins
- Additional Set of Interchangeable Long Pins .9 in. (23mm)
- Hard Carrying Case • User's Manual

♦ Measurement range: % WME 5.5 ~ 99.9%
♦ Accuracy: (at 25°C) ±1%
♦ Resolution: 0.1%
♦ Operation Range: 14º to 122°F (-10º to 50°C) (with temp compensation)
♦ 8 wood calibration scales (choose form "MODE" key)
♦ Data memory: 99 readings
♦ Sample rate: Approx. 1 reading/Sec.
♦ Battery Life: Approx. 250 hours (continuous usage)
♦ Dimensions:
  Meter: 6.6 x 3.0 x 1.3 in. (168 x 73 x 33mm)
  Pins: Length: 4.7 in. (120mm)
  Cable: 39 in. (1m) (Pin Type)
♦ Weight: Approx. 6.3 oz. (180g) including battery
♦ Power Source: 1 "9V" battery (included)

| UPC | NO. | |
|---|---|---|
| 70307 6 | **MM700D** | |
| 70604 6 | **MP7011** | External Pin Type Probe 39 in. (1 meter) long (Replacement) |
| 07070 3 | **MP7012** | External Roller-Type Probe 39 in. (1 meter) long (Optional) |

**MM700D**

CE RoHS

**MP7011**

**MP7012**

### PROBE ACCESSORIES

| UPC | NO. | DESCRIPTION |
|---|---|---|
| 07040 6 | **MP7011** | External Pin Type Probe for MM700D |
| 07050 5 | **MP7012** | Roller Type Probe for MM700D |

### NON-INVASIVE DIGITAL MOISTURE METER

Ideal for use in wood/timber industry, and building material storage.

- Moisture display on LCD
- Data hold to freeze reading and display
- Auto calibration
- Low battery indication
- Sense 6 different materials including 50 types of wood/timber
- Audible sound at 'peak' detection
- Auto power off
- CE and RoHS approved

♦ Measuring moisture from 0.0% to 99.9% with 10 different groups
♦ Resolution: ±1 digit
♦ Sense depth maximum: 3/4 in. (20mm)
♦ Power Source: 1 "9V" battery (included)
Includes: • User's Manual

| UPC | NO. |
|---|---|
| 40142 2 | **MMD5NP** |

CE RoHS

**MMD5NP**

### MICRO-PROCESSOR NON-INVASIVE MOISTURE METER

Precision instrument for highly sensitive and non-invasive measurement of moisture content in wood, timber and other industrial applications.

- High accuracy
- Fast measuring time
- Wide measuring range and high resolution
- High resolution digital display
- Zero value and correction value can be stored
- Strong, light weight ABS-plastic housing
- Comfortable fit for either hand

♦ Display: 3 digits, 10mm LCD
♦ Range: 0 to 80%
♦ Resolution: 0.1%
♦ Accuracy: ±(1%n+1) under 30%, ±(2%n+1) over 30%
♦ Sampling time: 1 sec.
♦ Operating condition: Temperature: 0º to 50°C, Humidity: <80%
♦ Dimensions: 8.6 x 3.0 x 2.1 in. (218 x 76 x 53mm)
♦ Weight: 9.2 oz. (260g) (with batteries)
♦ Power Source: 4 "AAA" batteries (included)
Includes: • Carrying Case • User's Manual

| UPC | NO. |
|---|---|
| 40143 9 | **MMD6NP** |

**MMD6NP**

# Agricultural Moisture Meters

**GENERAL**®

## FEATURES

## SPECIFICATIONS

### PRECISION DIGITAL SOIL MOISTURE METER WITH PROBE

Agricultural professional use.

- Soil moisture content measurement
- Heavy duty probe
- Probe length: 8 in. (203mm)
- Easy operation
- Hold, Record (Min/Max)
- IP-65 Water resistance
- Heavy duty
- CE and RoHS approved

- ♦ Range: 0-50% moisture content
- ♦ Power Source: 4 "AAA" batteries (not included)

| UPC | NO. |
|-----|-----|
| 01240 6 | **DSMM500** |

**NEW!**

CE
RoHS

**DSMM500**

Digital
**Soil Moisture
Meter**

### MICRO-PROCESSOR GENERAL PURPOSE MOISTURE METER

Ideal for testing moisture content of a wide variety of material.

- Microprocessor design
- Large LCD display
- 4 digit display
- Compact, light weight and easy to use
- Test water ratio percentage of wood fiber, wooden articles, tobacco, cotton, paper, etc.

- ♦ 0 - 50% moisture
- ♦ Range: 0° to 122°F (-10° to 80°C)
- ♦ Resolution: 0.1
- ♦ 3-1/2 ft. wire cord
- ♦ 6 in. probe
- ♦ Power Source: 4 "AA" batteries (included)
- Includes: • Hard case
  • Instructions

| UPC | NO. |
|-----|-----|
| 10195 7 | **MM6012** |

**MM6012**

### GRAIN MOISTURE METER

Ideal for use in grain storage and other industrial settings.

- Microprocessor design
- Large LCD display
  - 4 digit display
  - Rugged construction
  - Light weight

- ♦ 8 - 20% moisture
- ♦ Range: -0° to 122°F (-10° to 80°C)
- ♦ 4 ft. wire cord
- ♦ 1 ft. probe
- ♦ Power Source: 4 "AA" batteries (included)
- Includes: • Hard case
  • Instructions
  • 1 steel dual probe with 3 ft. cord

| UPC | NO. |
|-----|-----|
| 10197 1 | **MMG608** |

**MMG608**

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

# Data Logging Thermo-Hygrometer

## FEATURES

## SPECIFICATIONS

### BRIGHT RED JUMBO DISPLAY DATA LOGGING LED TEMPERATURE/HUMIDITY MONITOR

**Ideal for temperature, humidity monitoring, and control in lab, computer rooms, clean rooms, and other critical areas.**

- Complete environmental monitor and alarm
- Wall-Mounted, LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Data Logging Capacity 30,000 records
- LED displays real-time data
- USB interface
- Optional probe LRTH185DLP
- CE and RoHS approved

| UPC | NO. |
|-----|-----|
| 01312 0 | **LRTH185DL** |
| 01365 6 | **LRTH185DL1** with 1 meter probe |
| 01364 9 | **LRTH185DLP** 1 Meter Probe |

♦ Temperature range: -4º to 140ºF (-20º to 60ºC)
♦ Temperature accuracy: ±1.8ºF (1.0ºC), (23º to 104ºF / -5.0º to 40.0ºC); ±3.6ºF (2.0ºC) (other)
♦ Temperature resolution: 0.1ºF (0.1ºC)
♦ Temperature update rate: times/second
♦ Temperature sensor type: Diode
♦ RH range: 5% to 95%
♦ RH accuracy: ±2.0%RH (at 25ºC, 35% to 80%RH). ±2.5% (at 25ºC, 10% to 35%RH, 80% to 90%RH) other ±5.0%RH (at 25ºC), <10%RH, >90%RH)
♦ Relative Humidity resolution: 0.1RH
♦ Relative Humidity response time: below 4 seconds
♦ LED display: 8.4"W x 4.73"H (214 x 120mm)
♦ Battery backup: 1 "9V" battery enables continued measuring during power disruptions
♦ Dimensions: 10.2 x 7 x 1.9 in. (260 x 178 x 47mm)
♦ Weight: 35.3 oz. (1000g)
♦ Power Source: 1 "9V" battery (included) or AC to DC Adapter (9V/1A)


**LRTH185DL**


**LRTH185DL1**
Shown complete
with LRTH185DLP
1m probe


**LRTH185DLP**
1m Probe

### HIGH ACCURACY DATA LOGGING THERMO-HYGROMETER

**1% RH accuracy and large red LED display makes it ideal for process control, labs and other critical areas.**

- Dual LCD Display
- Displays both Temperature and RH
- Measures both ºF/ºC
- Real-time data
- Data Hold Function
- Alarm Function
- Dew-Point and Wet-Bulb Temperature
- USB PC interface
- CE and RoHS approved

Includes: • Instruction Manual
• Carrying Case
• MINI USB 4P (MALE) to USB A Type cable
• CD Software

| UPC | NO. |
|-----|-----|
| 01315 1 | **DTH184DL** |

♦ Temperature: -4º to 140ºF (-20º to 60ºC) ±1.8ºF (0.5ºC) (32º to 104ºF / 0º to 40ºC) ±3.6ºF (2ºC) (other)
♦ Humidity: 5 to 95%, 1%RH (15 to 80%RH) 2.5% (other)
♦ Temperature sensor: Diode
♦ Humidity Sensor: Capacitor Sensor
♦ Sampling: 1 times/second
♦ Resolution: 0.1%RH   0.1ºF, 0.1°C
♦ Dimensions: 5.1 x 2.2 x 1.5 in. (130 x 56 x 38mm)
♦ Weight: 8.8 oz. (250g)
♦ Operating Temperature and Humidity: -4º to 140ºF (-20º to 60ºC), <95%RH (non-condensing)
♦ Storage Temperature and Humidity: 14º to 140ºF (-10º to 60ºC), <70%RH (non-condensing)
♦ Consumption Current: 10mA
♦ Power Source: 1 "9V" battery (included) or AC to DC Adapter (9V/300mA)


**DTH184DL**

**FEATURES**

**SPECIFICATIONS**

### TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER
Unique, large red LED display makes it ideal for monitoring temperatures and humidity conditions in labs, incubators and other controlled environments.

- Complete environmental monitor and alarm
- Wall or Desk Mounted LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Air Temperature or Dew Point (DP) display and °C/°F Unit display are selectable
- Data Logging Capacity 16,000 records
- USB interface
- CE approved

♦ RH %: 0.0~100.0%
♦ RH resolution: 0.1%
♦ RH accuracy: ±3% at 10 to 90%, ±5% other
♦ Temperature: -4° to 158ºF (-20° to 70ºC)
♦ Temperature resolution: 0.1°F (0.1°C)
♦ Temperature accuracy: ±1.2ºF (±0.6ºC)
♦ Memory: 16,000 (Temp: 8K, RH: 8K)
♦ LED display: 2 x 2.6 in. (50.9 x 65.5mm)
♦ Dimensions: 4.8 x 5.2 x 1.6 in. (120 x 130 x 42mm)
♦ Weight: 7.4 oz. (210g)
♦ Power Source: 4 "AAA" batteries (included)
Includes: • Operation manual • USB cable • Software

| UPC | NO. |
|---|---|
| 01309 0 | **LTH8809DL** |

**LTH8809DL**

### PRECISION PSYCHROMETER TEMPERATURE/HUMIDITY DATA LOGGER
Precision instrument, perfect for professionals monitoring and controlling ambient air conditions in a HVAC/R environment.

- Humidity + Temperature + Dew point are combined into one meter
- 0.01 %RH humidity resolution
- 0.01 degree temperature resolution
- Dew point measurement
- Manual and auto data logger
- Data logger function with flexible sampling time selection
- Can save 1000 data points with recall
- DLSFT: Optional software kit with case

**Humidity/Temperature**
♦ Range: 0% to 100%RH
♦ Accuracy: ± 2%RH @ 20%RH to 80%RH @ 10 to 40°C
♦ Range: 32° to 122°F (0° to 50°C)
♦ Accuracy: ± 0.9°F, ± 0.5°C @ 5° to 35°C
**Dew Point**
♦ Range: -13.5° to 120.1°F, Resolution: 0.01
♦ Range: -25.3° to 48.9°C, Resolution: 0.01

| UPC | NO. |
|---|---|
| 10163 6 | **DTH3009DL** |
| 41420 0 | **LSFT KIT** PC Interface Kit (Optional) |

**DTH3009DL**

### DUAL CHANNEL DATA LOGGING THERMO-HYGROMETER WITH RS-232
For professional use in monitoring, managing and recording temperature and humidity.

- Dual probe input
- Triple display
- RS-232 computer interface, Windows® software
- 16,000 records data logger
- Time function
- Auto power off
- Min/Max function
- Hold function
- CE approved

♦ Humidity range: 0 to 100%RH
♦ Range: -4° to 140ºF
♦ "K" type temp range: -328° to 2498ºF
♦ Humidity accuracy: ±2.5%RH
♦ Temp accuracy: ±1.4ºF
♦ "K" type temp accuracy: ±0.3% rdg
♦ Dimensions: 7.25 x 2.5 x 1.2 in. (184 x 63 x 30mm)
♦ Power Source: 1 "9V" battery (included)
Includes: • 2 "K" type velcro strap probes • Humidity probe • RS-232 computer interface • Hard case • Software and Cable

| UPC | NO. |
|---|---|
| 10165 0 | **DTH314DL** |
| 16120 3 | **HR33LJ** Calibration Salt MgCl 33% (Optional) |
| 16130 2 | **HR75LJ** Calibration Salt NaCl 75% (Optional) |

**DTH314DL**

# Psychrometers/Thermo-Hygrometers

## FEATURES   SPECIFICATIONS

### DIGITAL PSYCHROMETER WITH DEW POINT AND WET BULB

**Wide applications in monitoring environmental conditions.**

- Displays wet bulb, dew point, humidity and temperature
- No twirling or charts necessary
- Large digital display
- Dew point measurement
- Wet and dry bulb temperature
- Min/Max memory with reset key
- °F or °C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design

- ♦ Range: -4° to 122°F (-20° to 50°C)
- ♦ Humidity range: 0 to 100%RH
- ♦ Dew point: -22° to 122°F (-30° to 50°C)
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5% of reading
- ♦ Response time: 60 seconds (approx.)
- ♦ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • Protective cap with pocket clip

| UPC | NO. |
|---|---|
| 10025 7 | **SAM990DW** |
| 10026 4 | **SAM990DW/CERT** |

**SAM990DW**
**SAM990DW/CERT**

### CALIBRATABLE DIGITAL PSYCHROMETER

**Hand-held convenience for accurate measurement of temperature and humidity for HVAC/R and food processing.**

- Jumbo display, triple read-out
- Rotating head to protect sensor
- Field calibratable
- Auto power off
- Min/Max
- Displays: Temperature, Humidity, Dew point, Wet bulb
  **P8706** External Temperature Probe
  **HR33** 'Low' Reference
  **HR75** 'High' Reference
- CE approved

- ♦ Range: -4° to 122°F (-20° to 50°C)
- ♦ Humidity range: 0 to 100%
- ♦ Dew point: -90.4° to 122°F (-68° to 50°C)
- ♦ Wet bulb: -6.9° to 122°F (-21.6° to 50°C)
- ♦ Temperature accuracy: ±12°F (±0.6°C)
- ♦ Resolution: 0.1°; 0.1%RH
- ♦ Response time: 60 seconds
- ♦ Power Source: 2 "AAA" batteries (included)

| UPC | NO. |
|---|---|
| 10041 7 | **EP8706** |
| 10043 1 | **P8706** External Temperature Probe |
| 15060 3 | **HR33LJ** Calibration Salt MgCl 33% (Optional) |
| 15070 2 | **HR75LJ** Calibration Salt NaCl 75% (Optional) |

**EP8706**

### CALIBRATABLE DIGITAL PSYCHROMETER WITH REMOTE PROBE

**Ideal for HVAC/R uses: diagnostic, installation, maintenance.**

- Jumbo display
- Rotating head to protect sensor
- Remote temperature probe
- Field calibratable
- Auto power off
- Min/Max
- T1/T2
- Displays: Temperature, Humidity, Dew point, Wet bulb
  **P8706** External Temperature Probe
  **HR33** 'Low' Reference
  **HR75** 'High' Reference
- CE approved

- ♦ Range: -4° to 122°F (-20° to 50°C)
- ♦ Humidity range: 0 to 100%
- ♦ Dew point: -90.4° to 122°F (-68° to 50°C)
- ♦ Wet bulb: -69° to 122°F (-56° to 50°C)
- ♦ Temperature accuracy: ±1.2°F (±0.6°C)
- ♦ Resolution: 0.1°; 0.1%RH
- ♦ Response time: 60 sec.
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • 1 probe (**P8706**)

| UPC | NO. |
|---|---|
| 10028 8 | **EM8716** |
| 15060 3 | **HR33LJ** Calibration Salt MgCl 33% (Optional) |
| 15070 2 | **HR75LJ** Calibration Salt NaCl 75% (Optional) |

**EM8716**

### DIGITAL HAND-HELD THERMO-HYGROMETER

**For accurate measuring and monitoring temperature and himidity in a wide range of professional and industrial applications such as: film processing, printing, hospitals, and laboratories.**

- Displays humidity and temperature
- Large digital display
- Min/Max memory with reset key
- °F or °C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design
- Protective cap with pocket clip
- CE approved

- ♦ Range: -4° to 122°F (-20° to 50°C)
- ♦ Humidity range: 0 to 100%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5% of reading
- ♦ Response time: 80 seconds (approx.)
- ♦ Dimensions: 6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
- ♦ Power Source: 2 "AAA" batteries (included)
- Includes: • Protective cap w/ pocket clip

| UPC | NO. |
|---|---|
| 10015 8 | **CMM880** |

**CMM880**

*"It's Your Job . . . General Tools Make It Easier"*   **I-21**

# MOISTURE/TEMPERATURE & HUMIDITY
# Thermo-Hygrometers

**GENERAL®**

## FEATURES
## SPECIFICATIONS

### DEW POINT THERMO-HYGROMETER

**NEW!**



**LAM880D**

CE

For accurately measuring and monitoring temperature and humidity in a wide range of professional and industrial applications such as: film processing, printing, hospitals and laboratories.

- Displays dew point, humidity and temperature
- Large digital display
- Dew point measurement
- Min/Max memory with reset key
- °F/°C readings
- Data hold
- Auto power off
- Low battery indication
- Microprocessor based design
- CE approved

♦ Range: -4° to 122°F (-20° to 50°C)
♦ Humidity range: 0 to 100%RH
♦ Dew point: -22° to 122°F (-30° to 50°C)
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Humidity accuracy: ±5% of reading
♦ Response time: 60 seconds (approx.)
♦ Dimensions:
   6.7 x 1.85 x 0.5 in. (170 x 47 x 13mm)
♦ Power Source: 2 "AAA" batteries (included)
Includes: • Protective cap with pocket clip

| UPC | NO. |
|---|---|
| 10020 2 | **LAM880D** |

### HUMIDITY SEEKER THERMO-HYGROMETER PEN

**NEW!**



**PTH8707**

CE
RoHS

Ideal for contractors and homeowners to measure temperature and humidity conditions.

- °F/°C Switch
- Check home comfort and ventilation
- Monitor greenhouse environment
- Rotate the cap to cover and protect sensitive sensor tip
- Fits in your shirt pocket with back clip
- CE and RoHS approved

Includes: • Pocket clip on back
         • Manual

♦ Humidity range: 20 to 100%RH
♦ Temperature range: 32° to 122°F (0° to 50°C)
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Resolution: Temperature: 0.1 °F/°C
                     Humidity: 0.1%
♦ Humidity accuracy: ±3%
♦ Dimensions:
   6.5 x 1.25 x 0.5 in. (165 x 32 x 13mm)
♦ Weight: 1.9 oz. (54g)
♦ Power Source: 1 "CR2032" battery (included)

| UPC | NO. |
|---|---|
| 01402 8 | **PTH8707** |

### DIGITAL TEMPERATURE AND HUMIDITY PEN



**PTH8708**

CE

Ideal for HVAC/R, laboratories, hospitals, computer rooms, greenhouses, printing, film processing, and more.

- Simultaneously displays temperature and humidity
- Data hold freezes measured values
- °F/°C switch
- Auto power off after 20 minutes
- Min/Max memory
- Fits in your shirt pocket
- CE approved

♦ Range: 14° to 122°F (-10° to 50°C)
♦ Humidity range: 5 to 95%RH
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Humidity accuracy: ±5%
♦ Resolution: ±0.1°, 1%RH
♦ Dimensions:
   6.9 x 1.7 x 0.6 in. (175 x 42 x 16mm)
♦ Power Source: 1 "CR2032" battery (included)
Includes: • Pocket clip on back

| UPC | NO. |
|---|---|
| 10005 9 | **PTH8708** |

### ECONOMY TEMPERATURE AND HUMIDITY PEN



**LAM122**

Hand-held convenience for accurate measurement of temperature and humidity.

- Simultaneous display of relative humidity and temperature
- °F/°C switch
- Pocket size for quick and reliable measurements at any location
- Min/Max memory (temp and humidity)
- "Clear" function erases stored readings to record new values

♦ Humidity range: 20 to 90%RH
♦ Range: 14° to 122°F (-10° to 50°C)
♦ Humidity accuracy: ±5%
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Resolution: ±0.1°; 1%RH
♦ Dimensions:
   5.9 x 0.8 x 0.6 in. (150 x 20 x 15mm)
♦ Power Source: 1 "LR44" battery (included)
Includes: • Protective cover with clip

| UPC | NO. |
|---|---|
| 10120 9 | **LAM122** |

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

**GENERAL®**

## FEATURES    SPECIFICATIONS

### DIGITAL POCKET HEAT INDEX MONITOR - SPORTS MODEL

Ideal for sports medicine professionals, coaches and athletes to monitor outdoor conditions to ensure safety.

- Displays heat index, temperature, humidity and dew point
- Danger icon with audible beep
- Min/Max memory with reset feature
- Data hold
- Reset feature
- °F/°C readings
- Large digital display
- Auto power off with low battery indicator
- Ergonomic design
- CE approved

♦ Range: -4° to 122°F (-20° to 50°C)
♦ Heat index range: 32° to 140°F (0° to 60°C)
♦ Humidity range: 0 to 100%RH
♦ Dew point: -22° to 122°F (-30° to 50°C)
♦ Temperature accuracy: ±1.8°F (1°C)
♦ Humidity accuracy: ±5%
♦ Dew point accuracy: ±3%
♦ Dimensions:
  6.88 x 1.57 x 0.91 in. (175 x 40 x 23mm)
♦ Power Source: 1 "CR2032" battery (included)
Includes: • Pocket clip on back

| UPC | NO. |
|---|---|
| 10100 1 | SAM800HI |

**SAM800HI**  CE

### DIGITAL POCKET HEAT INDEX MONITOR - INDUSTRIAL MODEL

Ideal for professional safety monitoring of outdoor conditions for sports and worker safety.

- Displays heat index, temperature, humidity and dew point
- Ideal for monitoring conditions for workers outdoors
- Danger icon with audible beep
- Min/Max memory with reset feature
- Data hold
- Reset feature
- °F/°C readings
- Large digital display
- Auto power off with low battery indicator
- Ergonomic design • CE approved

♦ Heat index range: 32° to 140°F (0° to 60°C)
♦ Temp. range: -4° to 122°F (-20° to 50°C)
♦ Humidity range: 0 to 100%RH
♦ Dew point: -22° to 122°F (-30° to 50°C)
♦ Temperature accuracy: ±1.8°F (1°C)
♦ Humidity accuracy: ±5%
♦ Dew point accuracy: ±3%
♦ Dimensions:
  6.88 x 1.57 x 0.91 in. (175 x 40 x 23mm)
♦ Power Source: 1 "CR2032" battery (included)
Includes: • Pocket clip on back

| UPC | NO. |
|---|---|
| 10105 6 | SAM800IND |

**SAM800IND**  CE

### HEAT INDEX MONITOR WITH WET BULB GLOBE TEMPERATURE

Ideal for industrial uses including HVAC/R, and outdoor sports medicine applications.

- An industry breakthrough for outdoor sports
- The power of sunlight is factored into the heat index
- Four measurement parameters:
  - WBGT (Wet Bulb Globe Temperature)
  - TG (Globe Temperature)
  - TA (Air Temperature)
  - % (Relative Humidity)
- CE approved

♦ Power Source: 2 "AAA" batteries (included)

| UPC | NO. |
|---|---|
| 08758 9 | WBGT8758 |

♦ Black ball size: Dia. 40mm, Height 35mm
♦ Temp. (TG) range: 32° to 122°F (0° to 50°C)
♦ Temp. (TG) accuracy: ±2°F (±1°C)
♦ WBGT Temp. range: 32° to 122°F (0° to 50°C)
♦ WBGT Temp. accuracy: ± 2°C (15.0° to 35.0°F)
♦ RH% range: 0 to 100%RH
♦ RH accuracy: ±3%RH (0-90%RH), ±5%RH for other range
♦ Wet Bulb (WB) range: 70° to 115°F (21° to 45°C)
♦ Wet Bulb (WB) accuracy: ± 2°F
♦ Dew point range: 32° to 140°F (0° to 60°C)
♦ Dew point accuracy: ±3%

**WBGT8758**  CE

### DELUXE WBGT HEAT INDEX MONITOR WITH 75MM BLACK BALL

Ideal for industrial uses including HVAC/R, and outdoor sports medicine applications.

- Rapid response
- An industry breakthrough for outdoor sports
- The power of sunlight is factored into the heat index
- Designed to monitor heat conditions
- Four measurement parameters:
  - WBGT (Wet Bulb Globe Temperature)
  - TG (Globe Temperature)
  - TA (Air Temperature)
  - % (Relative Humidity)
- CE approved
♦ Black ball size: Dia. 75mm, Height 75mm
♦ Temp. (TG) range: 32° to 122°F (0° to 50°C)
♦ Temp. (TG) accuracy: ±2°F (±1°C)
♦ WBGT Temp. range: 32° to 122°F (0° to 50°C)

♦ WBGT Temp. accuracy: ±2°F (15.0° to 35.0°F)
♦ RH% range: 0 to 100%RH
♦ RH accuracy: ±3%RH (0-90%RH), ±5%RH for other range
♦ Wet Bulb (WB) range: 70° to 115°F (21° to 45°C)
♦ Wet Bulb (WB) accuracy: ±2°F
♦ Dew point range: 32° to 140°F (0° to 60°C)
♦ Dew point accuracy: ±3%
♦ Dimensions:
  11 x 3 x 3 in. (278 x 75 x 75mm)
♦ Weight: 5.3 oz. (150g)
♦ Power Source: 2 "AAA" batteries (included)

| UPC | NO. |
|---|---|
| 01308 3 | WBGT8778 |

**NEW!**

**WBGT8778**  CE

MOISTURE/TEMPERATURE & HUMIDITY

# Psychrometers/Analog Humidity Calculator

**GENERAL®**

## FEATURES

## SPECIFICATIONS

### ANALOG TEMPERATURE/HUMIDITY CALCULATOR
**To calculate relative himidity.**

- For dry/wet bulb
- Easy-to-read
- Pocket sized
- Percent relative humidity indicator
- Recommended humidities for industrial processes

♦ Temperature: Dry Bulb 30° to 120°F
  Wet Bulb 20° to 120°F
♦ Relative humidity: 10 to 100RH

| UPC | NO. |
|---|---|
| 16110 4 | **HC880** |

**HC880**

### MASON'S HYGROMETER
**Measures relative humidity.**

- Measures relative humidity by comparing the wet and dry bulb thermometers
- Complete with two red spirit thermometers in a sturdy white plastic case and plastic reservoir bottle
- Dual scale readings

♦ Range:
  0° to 120°F (-15° to 50°C)
♦ Dimensions:
  12.25 x 2.75 x 0.85 in. (311 x 70 x 22mm)
Includes: • Conversion chart

| UPC | NO. |
|---|---|
| 23005 3 | **MH120** |

**MH120**

### SLING PSYCHROMETERS

- High impact plastic construction
- Fast, accurate and easy to use
- No assembly required
- Classic twirling design
- Available in °F or °C

| Model | Range | Type |
|---|---|---|
| **SP100CR** | -5° to 50°C | Red spirit |
| **SP100FR** | 20° to 120°F | Red spirit |

Replacement parts:
**SPR108** Repl. Therms for **SP100CR** (2) Red spirit "F"
**SPR109** Repl. Therms for **SP100FR** (2) Red spirit "C"
**SPR120** Repl. Wicks (6) - All

♦ Dimensions:
  8.25 x 1.25 x 0.625 in. (210 x 32 x 16mm)
Includes: • Two thermometers
          • One wick

| UPC | NO. |
|---|---|
| 10215 2 | **SP100CR** - Red Spirit |
| 10205 3 | **SP100FR** - Red Spirit |
| 10260 2 | **SPR108** - Replacement Therms |
| 10265 7 | **SPR109** - Replacement Therms |
| 10270 1 | **SPR120** - Replacement Wicks |

**SP100CR**
**SP100FR**

### TWIRLING PSYCHROMETER
**To measure temperature and humidity.**

- Extra large handle for simple operation
- High impact plastic construction
- Fast, accurate and easy to use
- Classic twirling design
- Red Spirit filled

Replacement therms:
**RTSP** - (2) replacements "C" Therms

♦ °C range: 0° to 50°C
♦ Accuracy for mercury: ±0.5°F (±0.3°C)
♦ Dimensions:
  8.5 x 1.75 x 1 in. (216 x 45 x 25mm)
♦ Weight: 7.05 oz. (200g)
Includes: • Two thermometers
          • One wick

| UPC | NO. |
|---|---|
| 10225 1 | **TSP200RC** |
| 10202 2 | **RTSP** Replacement Therms |
| 10270 1 | **SPR120** Replacement Wicks |

**TSP200RC**

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

**GENERAL**®

**FEATURES**       **SPECIFICATIONS**

## JUMBO DISPLAY TEMPERATURE AND HUMIDITY METER WITH CLOCK
To measure, monitor and display temperature and humidity.

- 3 row display shows temperature, humidity and current time
- °F or °C temperature display
- Clock is 12 or 24 hour selectable
- Min/Max memory for temperature and humidity records the highest and lowest values with optional daily reset feature
- Replaces: **DTH05**

♦ Temperature range: 23° to 122°F
♦ Humidity range: 20 to 99%RH
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Humidity accuracy: ±6%RH
♦ Resolution: 0.1°, 1%
♦ Digit height: 0.67 in.
♦ Display size: 2.45 x 3.15 in.
♦ Dimensions:
    3.75 x 4.2 x 0.75 in.
    (95 x 107 x 19mm)
♦ Power Source: 1 "AAA" battery (included)

| UPC | NO. |
|---|---|
| 11032 4 | **DTH04** |

**DTH04**

## JUMBO DISPLAY HUMIDITY AND TEMPERATURE METER
To measure and display temperature and humidity.

- Displays humidity and temperature
- Jumbo digital display
- 2-Key operation: min/max and reset
- Memory for highest and lowest temperature and humidity
- °F/°C slide switch

♦ Range: 32° to 122°F (0° to 50°C)
♦ Humidity range: 20% to 90%RH
♦ Resolution: 0.1, 1%
♦ Dimensions:
    4.3 x 3.9 x 0.8 in. (110 x 98 x 20mm)
♦ Weight: 6.3 oz. (175g)
♦ Power Source: 1 "AAA" battery (included)

| UPC | NO. |
|---|---|
| 11040 9 | **DTH03A** |

**DTH03A**

## HORIZONTAL HUMIDITY AND TEMPERATURE METER
For monitoring indoor environmental comfort.

- Displays temperature and humidity
- °F and °C models available
- Jumbo display
- Horizontal design
- Comfort indication (cool, comfort, warm)
- Wall or desk mountable
- Low battery indicator

♦ Range: -58° to 158°F
♦ Humidity range: 10 to 95%RH
♦ Temperature accuracy: ±1.8°F (±1°C)
♦ Humidity accuracy: ±5% from 30 to 80%RH;
    ±7% at all other ranges
♦ Resolution: 0.1°, 1%
♦ Sampling rate: every 10 seconds
♦ Digit height: 0.75 in.
♦ Display size: 3.75 x 1.05 in.
♦ Dimensions:
    5.3 x 2.5 x 0.6 in. (135 x 64 x 15mm)
♦ Power Source: 2 "AAA" batteries (included)

| UPC | NO. |
|---|---|
| 11008 9 | **DHI8757F** |

**DHI8757F**

*"It's Your Job . . . General Tools Make It Easier"*       **I-25**

**GENERAL®**

## FEATURES

## SPECIFICATIONS

### DIGITAL TEMPERATURE AND HUMIDITY MONITOR
To measure, monitor and display temperature and humidity.

- Displays temperature and humidity
- °F/°C switch
- Wall or desk mountable
- Min/Max feature
- For home or office use

- ♦ Range: 14° to 140°F (-10° to 60°C)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5%
- ♦ Resolution: 0.1°, 1%
- ♦ Dimensions:
  4 x 2.5 x 0.5 in. (102 x 64 x 13mm)
- ♦ Power Source: 1 "AAA" battery (included)

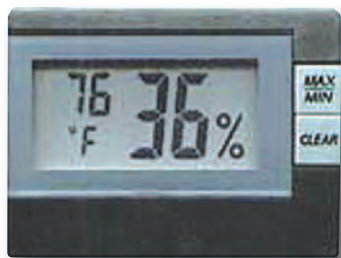| UPC | NO. |
|-----|-----|
| 11015 7 | **DTH700** |

**DTH700**

### DIGITAL TEMPERATURE/HUMIDITY MONITOR WITH CLOCK
To measure, monitor and display temperature and humidity.

- Simultaneously displays time, temperature and humidity
- Clock with alarm and snooze button
- Min/Max memory
- Wall or desk mount

- ♦ Range: 14° to 140°F (-10° to 60°C)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F (±1°C)
- ♦ Humidity accuracy: ±5%RH
- ♦ Resolution: 0.1°, 1%
- ♦ Dimensions:
  4.25 x 2.5 x 0.5 in. (108 x 64 x 13mm)
- ♦ Power Source: 1 "AAA" battery (included)

| UPC | NO. |
|-----|-----|
| 11020 1 | **DTH800** |

**DTH800**

### MINI DIGITAL HUMIDITY AND TEMPERATURE METER
Ideal for use in humidors and musical instrument cases.

- Simultaneously displays indoor temperature and humidity
- Great for pianos, humidors, wine cellars, computer rooms and more
- Large LCD display
- Memory for highest and lowest temperature and humidity
- Clear button
- Low battery warning
- Hanging or standing features

- ♦ Range: 14° to 140°F (°F only)
- ♦ Humidity range: 10% to 99%RH
- ♦ Temperature accuracy: ±1.8°F
- ♦ Humidity accuracy: ±5%
- ♦ Resolution: 1°, 1%
- ♦ Display size: 1.4 x 0.7 in.
- ♦ Dimensions:
  1.5 x 2.05 x 0.6 in. (38 x 52 x 15mm)
- ♦ Power Source: 1 "LR44" battery (included)

| UPC | NO. |
|-----|-----|
| 11075 1 | **LCR318** |

**LCR318**

ALWAYS WEAR
OSHA APPROVED
SAFETY GOGGLES

**FEATURES**          **SPECIFICATIONS**

## HIGH TEMPERATURE THERMO-HYGROMETER
To measure and monitor temperature and humidity.

- Measures temperature and humidity
- Competitively priced
- Aluminum case
- Flange mounting
- Attractive design

♦ Range: 30° to 250°F
♦ Humidity range: 0 to 100%RH
♦ Dimensions: 5.125 in. dial diameter, 6 in. overall
♦ Weight: 11 oz. (312g)

| UPC | NO. |
|---|---|
| 61006 0 | **A600FC** |

**A600FC**

## ANALOG CERTIFIED THERMO-HYGROMETER
Precision instrument for professionals monitoring temperature and humidity in industrial environments.

- Measures temperature and humidity
- Aluminum case
- Silver dial
- Certified for accuracy
- Color coded (ºF & ºC)
- Attractive housing
- For wall mounting
- CE approved

♦ Range: 10° to 170°F (-8° to 75°C)
♦ Humidity range: 0 to 100%RH
♦ Dimensions: 5.25 in. dial diameter
♦ Weight: 7.5 oz. (213g)
Includes: • Test certificate

| UPC | NO. |
|---|---|
| 61020 6 | **A5063** |

**A5063**

## ANALOG CERTIFIED THERMO-HYGROMETER
Precision instrument for professionals monitoring temperature and humidity in industrial environments.

- Measures temperature and humidity
- Polished brass case
- Attractive housing
- Flange mounting
- Color coded (ºF & ºC)
- Certified for accuracy
- For wall mounting
- CE approved

♦ Range: 10° to 170°F (-8° to 75°C)
♦ Humidity range: 0 to 100%RH
♦ Dimensions: 5.25 in. dial diameter, 5.875 in. with flange
♦ Weight: 11 oz. (312g)

| UPC | NO. |
|---|---|
| 61030 5 | **A5064** |

**A5064**

## ANALOG CERTIFIED THERMO-HYGROMETER
Precision and certified instruments used for various production, lab, argriculture and weather applications.

- Measures temperature and humidity
- Polished brass case
- Attractive housing
- Flange mounting
- Color coded (ºF & ºC)
- Certified for accuracy
- For wall mounting
- CE approved

♦ Range: 10° to 170°F (-8° to 75°C)
♦ Humidity range: 0 to 100%RH
♦ Dimensions: 5.25 in. dial diameter, 5.875 in. with flange
♦ Weight: 11 oz. (312g)

| UPC | NO. |
|---|---|
| 61010 7 | **A5033** |

**A5033**

## FEATURES

## SPECIFICATIONS

### HIGH ACCURACY DATA LOGGING THERMO-HYGROMETER

1% RH accuracy and large red LED display makes it ideal for process control, labs and other critical areas.

- Dual LCD Display
- Displays both Temperature and RH
- Measures both °F/°C
- Real-time data
- Data Hold Function
- Alarm Function
- Dew-Point and Wet-Bulb Temperature
- USB PC interface
- CE and RoHS approved

Includes: • Instruction Manual
- Carrying Case
- MINI USB 4P (MALE) to USB A Type cable
- CD Software

| UPC | NO. |
|---|---|
| 01315 1 | **DTH184DL** |

♦ Temperature: -4° to 140°F (-20° to 60°C)
  ±1.8°F (0.5°C) (32° to 104°F / 0° to 40°C)
  ±3.6°F (2°C) (other)
♦ Humidity: 5 to 95%, 1%RH (15 to 80%RH)
  2.5% (other)
♦ Temperature sensor: Diode
♦ Humidity sensor: Capacitor Sensor
♦ Sampling: 1 times/second
♦ Resolution: 0.1% RH  0.1°F, 0.1°C
♦ Operating Temperature and Humidity:
  -4° to 140°F (-20° to 60°C), <95%RH
  (non-condensing)
♦ Storage Temperature and Humidity:
  14° to 140°F (-10° to 60°C), <70%RH
  (non-condensing)
♦ Consumption Current:10mA
♦ Dimensions:
  5.1 x 2.2x 1.5 in. (130 x 56 x 38mm)
♦ Weight: 8.8 oz. (250g)
♦ Power Source: 1 "9V" battery (included)
  or AC to DC Adapter (9V/300mA)

**RoHS**
**DTH184DL**

### TEMPERATURE/HUMIDITY MONITOR – DATA LOGGER

Unique, large red LED display makes it ideal for monitoring temperatures and humidity conditions in labs, incubators and other controlled environments.

- Complete environmental monitor and alarm
- Wall or Desk Mounted LED type, easy reading
- Alarm set for Hi and Low limit-Temperature and Humidity
- Air Temperature or Dew Point (DP) display and C/F Unit display are selectable
- Data Logging Capacity 16,000 records
- USB interface

Includes: • Operation manual • USB cable
- Software

| UPC | NO. |
|---|---|
| 01309 0 | **LTH8809DL** |

♦ RH %: 0.0~100.0%
♦ RH resolution: 0.1%
♦ RH accuracy: ±3% at 10 to 90%, ±5% other
♦ Temperature: -4° to 158°F (-20° to 70°C)
♦ Temperature resolution: 0.1°F (0.1°C)
♦ Temperature accuracy: ±1.2°F (±0.6°C)
♦ Memory: 16,000 (Temperature: 8K, RH: 8K)
♦ LED display: 2 x 2.6 in. (50.9 x 65.5mm)
♦ Dimensions: 4.8 x 5.2 x 1.6 in.
  (120 x 130 x 42mm)
♦ Weight: 7.4 oz. (210g)
♦ Power Source: 4 "AA" batteries (included)

**LTH8809DL**

### TEMPERATURE HUMIDITY DATA LOGGER WITH ON/OFF SWITCH

For professional use in monitoring and recording temperature and humidity.

- Records relative humidity & temperature
- Logs data for days, weeks or months
- Multiple data loggers can be programmed and data downloaded from a single docking station
- Programmable sampling rate from 1 sec. to 2 hrs.
- View either temperature or humidity on LCD
- Program the data logger, analyze and store data using software - Models **INT8818, INT8819** (not included)
- Yellow record LED flashes when unit is sampling
- Scheduled, magnetic or immediate start capability
- Real-time clock stores date and time with data
- Programmable high and low limits with alarm

♦ Range: -40° to 185°F (-40° to 85°C)
♦ Humidity range: 0 to 100%RH
♦ Accuracy: ± 1°F from -4° to 122°F,
  (-20° to 50°C) ± 2°F at all other ranges;
  ±5%RH
♦ Resolution: 0.1°, 0.1%RH
♦ Memory: Temperature up to 8,000;
  RH: 8,000 points
♦ Dimensions:
  3.14 x 2.16 x 0.86 in. (80 x 55 x 22mm)
♦ Weight: 2.6 oz. (76g)
♦ Power Source: Lithium battery (included)

| UPC | NO. |
|---|---|
| 46125 9 | **DL8835** |
| 46130 3 | **INT8818** Serial Interface Kit (Optional) |
| 46135 8 | **INT8819** USB Interface Kit (Optional) |

**DL8835**
**(Replaces DL8828)**

**GENERAL**®

**FEATURES**                          **SPECIFICATIONS**

## DIGITAL TEMPERATURE AND HUMIDITY DATA LOGGER
To measure and record temperature for energy audits and other professional applications.

- Records relative humidity and temperature
- Logs data for days, weeks or months
- Multiple data loggers can be programmed and data downloaded from a single docking station
- Programmable sampling rate from 1 sec. to 2 hrs.
- View either temperature or humidity on LCD
- Program the data logger, analyze and store data using software - Models **INT8818, INT8819** (not included)
- Yellow record LED flashes when unit is sampling
- Scheduled, magnetic or immediate start capability
- Real-time clock stores date and time with data
- Programmable high and low limits with alarm

♦ Range: -40° to 185°F (-40° to 85°C)
♦ Humidity Range: 0 to 100%RH
♦ Accuracy: ± 1°F from -4 to 122°F, (-20° to 50°C) ± 2°F at all other ranges; ±5%RH
♦ Resolution: 0.1°, 0.1%RH
♦ Memory: Temp: up to 8,000; RH: 8,000 points
♦ Dimensions: 3.14 x 2.16 x 0.86 in. (80 x 55 x 22mm)
♦ Weight: 2.6 oz. (76g)
♦ Power Source: Lithium battery (included)

| UPC | NO. |
|---|---|
| 46120 4 | **DL8829** |
| 46130 3 | **INT8818** Serial Interface Kit (Optional) |
| 46135 8 | **INT8819** USB Interface Kit (Optional) |

**DL8829**
**(Replaces DL8828)**

## USB INTERFACE KIT
- For downloading readings to your PC
- Use with data logger models: **DL8829 and DL8835**

Includes:
- Data logger base
- USB1.1 cable
- Software
- Operation manual

| UPC | NO. |
|---|---|
| 46135 8 | **INT8819** |

**INT8819**

## PRINTER FOR DATA LOGGER
- For use with the following data loggers (Models **DL8829**, **DL8828**, **DL8835**)
- Prints data in text or graph format
- Small size fits in the palm of your hand
- LCD display
- Set up data loggers without a personal computer. Sampling interval, recording points, hi/low temp/humidity alarm set, °C or °F
- Input: RS-232C Data: 8 bits; Stop: 1 bit

♦ Dimension: 4.72 x 5.9 x 1.88 in.
♦ Printing characteristics:
  a) Voltage compensating to stabilize the contrast of printing
  b) Paper jam protection
  c) Paper feed
  d) Printing contrast: 1 to 9
  e) Print type by report or graphic (Font: Roman 8)
♦ Range: -40° to 212°F (External), - 40° to 100°C (External)
♦ Humidity Range: 0 to 100%
♦ Accuracy: Temperature: + 0.6°C (20° to 50°C), +1.2°C (-40° to 20°C, 51° to 100°C)
♦ Resolution: 0.1°F, 01°C
♦ Memory: 15999 readings
♦ Dimensions: 2.8 x 2.2 x 0.8 in. (72 x 56 x 21mm)
♦ Weight: 2.2 oz. (62g)
♦ Power Source: 1 "3.6V" Lithium battery (included)
Includes:
- Printer
- Thermo-paper

| UPC | NO. |
|---|---|
| 46145 7 | **EP9801** |

**EP9801**