



# DTH31

## Digital Psychrometer

### **NEW POCKET-SIZED DESIGN MONITORS THREE PARAMETERS SIMULTANEOUSLY**

- Triple Display
- Protective Sensor Cap
- Fast Response Time
- Features Include:
  - Ambient temperature (T1)
  - RH humidity
  - Dew Point
  - Wet Bulb
  - Hold
  - MIN/MAX
  - °C or °F switchable
  - External temperature (T2)\*
  - T1 - T2 (Ambient - external temp)\*
  - T2 - Dew point\*

\*Available with optional external probe



# DTH31 • Digital Psychrometer

The DTH31 Digital Psychrometer is an advanced handheld humidity and temperature meter. Its triple display shows three parameter readings simultaneously. It has everything you need to charge an air-conditioning system and determine heating, cooling, and ventilation needs. It gives you incredibly fast and accurate wet bulb, dry bulb, and dew point measurements.

## The DTH31 has the following features:

- Ambient temperature (T1)
- RH humidity
- Dew Point
- Wet Bulb
- Display resolution 0.1 °F/°C
- Protective sensor cap
- Sensor: Electronic capacitance polymer film
- Condensation will not affect accuracy
- Hold
- MIN/MAX
- °F or °C switchable
- Low battery indicator
- Pocket size design
- Reset
- Auto Off with by-pass
- One year limited warranty

## With Optional Extended Probe

- External temperature (T2)\*
- T1 - T2\*
- T2 - Dew point (check difference of surface to dew point)\*

## Specifications

<b>Temperature range</b>	-4 to 122°F (-20 to +50°C)
<b>RH% range</b>	0 to 100% RH
<b>Wet Bulb range</b>	-69 to 122°F (-21.6 to 49.9°C)
<b>Dew Point range</b>	-90.4 to 122°F (-68 to 49.9°C)
<b>External temperature range</b>	-4 to 158°F (-20 to 70°C)
<b>Accuracy</b>	RH% = ±3% at 25°C
	Temperature = ±1°F (0.6°C)
<b>Response time</b>	60 seconds typical
<b>Power</b>	2 x 1.5 V AAA battery

## Product Line Comparison

	<b>DTH880</b>	<b>DTH10</b>	<b>DTH31</b>
Design style	Wall mount	Pen style	Pocket size
Relative humidity	20 to 95%	5 to 95%	0 to 100%
Temp °F	32 to 122°	14 to 122°	-4 to 122°
Temp °C	0 to 50°	-10 to 50°	-20 to 50°
MIN/MAX	X	X	X
Hold	X	X	X
Auto Off		X	X
Wet Bulb			X
Dew Point			X
External temp w/probe			Optional
Auto Off by-pass			X
°F/°C switchable			X
Low battery indicator			X

## Standard Accessories Included:

Batteries "AAA" Alkaline  
Instruction Manual

## Optional Accessories:

External Temperature Probe .....ATT31

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