

Digital Psychrometer

Designed for in-duct measurement



Features

- Large-digit back-lit display
- Designed for in-duct measurement (4" x 3/8" probe dimensions)
- Magnetic mount for hands-free use
- Probe cover functions as an extension for hard to reach areas

Functions

- Measures temperature and relative humidity
- Calculates Wet Bulb, Dew Point, Enthalpy
- Min / Max and Data Hold

Specifications

- Temperature Range: -4 to 122°F (-20 to 50°C)
- RH% Range: 0 to 99.9% RH%
- Wet Bulb: 5 to 121.8°F (-15 to 49.9°C)
- Dew Point: -4 to 121.8°F (-20 to 49.9°C)
- Enthalpy 0 to 125 BTU/Lb (0 to 292 KJ/KG)

Accuracy

- Temperature $\pm 1.0^{\circ}\text{F}(\pm 0.6^{\circ}\text{C})$
- RH% $\pm 3\%$ at 77°F (25°C), 10-90% RH
- Response Time 60 seconds typical for stable reading



- Magnetic mount



- In-duct measurement



- Probe cover used as an extension



- Pocket type

The DTH35 Digital Psychrometer measures temperature, relative humidity, and calculates wet bulb, dew point, and enthalpy of moist air (air with humidity). The housing design is useful for in-duct measurement, as well as ambient or vent outlet applications. A large, easy to read display, and built in magnet improves ease of use.

Includes



- (2) Batteries (CR2032)
- Manual

Specifications

Item	Measure	Tair	RH	WBT	DP	Enthalpy
Range		-4.0 ~ 122.0°F (-20.0 ~ 50.0°C)	0.1% ~ 99.9%	5.0 ~ 121.8°F (-15.0 ~ 49.9°C)	-4.0 ~ 121.8°F (-20.0 ~ 49.9°C)	-1.0 ~ 125BTU/LB (-2.2 ~ 292KJ/KG)
Resolution		0.1°F (0.1°C)	0.1%	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1BTU/LB or KJ/ KG(measured value <100) 1 BTU/LB or KJ/ KG(Other range)
Accuracy		±1°F (±0.6°C) (32 ~ 122°F (0 ~ 50°C)) ±2°F (±1.2°C) (Others)	±3.0% (10 ~ 90% @ 77°F (25°C)) ±5% (other)	±2°F (±1.2°C) (RH: 20 ~ 90%) ±3.8°F (±2.1°C) (RH: 10 ~ 20%)	±1.8°F (±1.0°C) 40 ~ 90 % ±3.6°F (±2.0°C) 20 ~ 40 % ±7.2°F (±4.0°C) 10 ~ 20 %	
Max/Min function		YES				
Backlight		Press any key to activate the blue backlight for 10 seconds				
Auto power off		20 minutes ("ON/OFF" + "HOLD" > 2 seconds to power meter on and disable "Auto power off" function)				
Low battery		Low Voltage indicator				
RH Calibration		2 points calibration (32.8% & 75.3%)				
Battery life (2pcs CR2032)		>110 Hours without backlight				