



DAFM3

Digital Air Flow Meter

The DAFM3 anemometer/psychrometer is designed with six HVAC/R essential parameters in one instrument. Conveniently combined into a portable, battery-operated instrument for measuring relative humidity, air temperature, dew point, wet bulb, air velocity and air volume.

Measures

- Air velocity, temperature and relative humidity

Calculates

- Wet bulb, dew point, and air volume (CFM, CMM)
- Protective twist cap protects sensor when not in use.
- 8-Point average for air velocity
- 30 Second average for air volume
- English/Metric scales
- Low battery indication
- Microprocessor circuitry for reliability
- 1 Year limited warranty

**Included in
this Data Sheet**

**DAFM3, DTH10, DTH31,
DTH880, THL2**



DTH31
Digital
Psychrometer



THL2
Temperature
and Humidity
USB Data
Logger

Functions

Features

Includes

Specifications



DAFM3 Digital Air Flow Meter

- Measures
- Air velocity, temperature and relative humidity
- Calculates
- Wet bulb, dew point, and air volume (CFM, CMM)
 - 8-Point average for air velocity
 - 30 second average for air volume

- Protective twist cap for temperature/humidity sensor
- Total volume from multiple outlets
- Large LCD digital display
- Professional remote vane
- English/Metric scales
- Low battery indication
- Fast response
- Microprocessor circuitry for reliability
- Auto power off
- 1 Year limited warranty

- Hard Carrying Case
- Battery 9V
- Manual

THL2 Temperature and Humidity USB Data Logger



- 16,000 data points
 - Temperature
 - Relative humidity
 - Dew point
- Analysis software with dew point calculation, charting of results, and export to other file formats
- USB interface

- The THL2 is compatible with computers using Windows™ 2000, XP, Vista, Windows™ 7 and Windows™ 8.
- Instant or manual start
- Alarm LED's with user selectable values
- Magnetic mount
- Long battery life
- 1 Year limited warranty

NOTE: Requires computer w/Windows™ and a USB interface to operate.

- Magnetic Mount
- Software
- Battery 3.6V Lithium
- Manual

DAFM3

THL2

Description	Specification	Accuracy	Resolution
Temperature	-4° ~ 140°F (-20° ~ 60°C)	+1°F (+0.6°C)	0.1°F (0.1°C)
Relative Humidity	0 ~ 100% RH	+3% at 10 ~ 60% RH +5% at other range	0.1%
Dew Point	-90° ~ 158°F (-68° ~ 70°C)	+3% at 10 ~ 60% RH +5% at other range	0.1%
Wet Bulb Temperature	-7.6° ~ 158°F (-22° ~ 70°C)	+3% at 10 ~ 60% RH +5% at other range	0.1%
Air Velocity	0.3 ~ 35 m/s (1 ~ 114 ft/s)	+5%	0.1%
Air Volume	0 ~ 99999 m/s (0 ~ 99999 cfm)	+5%	0.1 (0 ~ 9999.9) or 1 (10000 ~ 99999)
Battery	9V Alkaline battery or 9V > 200mA adapter		
Dimensions	Meter: 175 x 70 x 33 mm Vane: 170 x 77 x 40 mm		

Function	Accuracy	0 ~ 100%
Relative Humidity	(0 ~ 20 and 80 ~ 100%)	±5.0%
	(20 ~ 40 and 60 ~ 80%)	±3.5%
	(40 ~ 60%)	3.0%
	Overall Range	-40° ~ 158°F (-40° ~ 70°C)
Temperature	-40° ~ 14 and 104° ~ 158°F -40° ~ -10° and 40° ~ 70°C)	±3.6°F (±2°C)
	14° ~ 104°F (-10° ~ 40°C)	±1.8°F (±1°C)
Dew Point Temperature	Overall range (25°C, 40 ~ 100% RH)	-40° ~ 158°F (-40° ~ 70°C) ±4.0°F (2.0°C)
Logging Rate	Selectable sampling interval: 2 seconds ~ 24 hours.	
Operating Temperature	-31° ~ 175°F (-35° ~ 80°C)	
Battery	3.6V Lithium (Lasts 1 year approximately)	
Dimensions	4 x 1 x 9" (101 x 25 x 23 mm)	
Weight	172 g (6 oz)	

HUMIDITY TESTERS

DTH31 Digital Psychrometer



- Hand held
- Ambient temperature (T1), relative humidity, dew point, wet bulb
- Resolution 0.1 °F/°C
- MIN/MAX
- Sensor: Electronic capacitance polymer film
- Condensation will not affect accuracy
- Auto off with by-pass
- °F or °C switchable
- Hold
- MIN/MAX/reset
- Low battery indicator
- Pocket size design
- Protective sensor cap
- 1 Year limited warranty

- Batteries (2) AAA Manual

DTH10 Digital Thermo Hygrometer



- Hand-held/pocket size
- Temperature in °F or °C
- 14° ~ 122° (-10° ~ 50°C)
- 5 to 95% Relative Humidity (RH)
- Displays relative humidity and temperature at the same time
- Fast, accurate electronic sensor
- MIN/MAX record
- Data hold
- Auto power-off
- 1 Year limited warranty

- Battery CR2032 Manual

DTH880 Digital Thermo Hygrometer



- Wall or desk mount
- °F or °C
- 32° to 122°F (0° to 50°C)
- 25% to 95% RH
- Comfort zone indicator
- Displays RH and temperature at the same time
- MIN/MAX record
- Wall or desk mount
- Data hold
- 1 Year limited warranty

- Batteries (2) AAA Manual

DTH31

DTH10

DTH880

Relative Humidity	0 ~ 100% RH
Wet Bulb	-69 ~ 122°F (-21.6 ~ 49.9°C)
Dew Point Range	-90.4 ~ 122°F (-68 ~ 49.9°C)
External Temperature	-4 ~ 158°F (-20 ~ 70°C)
Temperature Range	-4 ~ 122°F (-20 ~ 50°C)
Accuracy	RH% ±3% at 77°F (25°C) Temperature ±1°F (0.6°C)
Response Time	60 seconds
Battery	(2) AAA batteries

Temperature Range	14° ~ 122°F (-10° ~ 50°C)
Humidity Range	5 ~ 95% RH
Accuracy	±5% for 5 ~ 95% RH at 25°C and ±1°C from -10° ~ 45°C
Resolution	0.1°F (0.1°C)
Sensor	Electronic capacitance polymer film sensor
Battery Life	150 hours
Battery	CR2032 battery
Dimensions	6.5" x 1.5" x 5" (17.54cm x 4.2cm x 1.6cm)

Temperature Range	Resolution	Accuracy
32° ~ 122°F (0° ~ 50°C)	1°F(°C)	±2°F from 32° ~ 104°F (±1° from 0° ~ 40°C) ±4°F at < 32° and > 104°F (±2°C < 0° and > 40°C)
RH Range		
25% ~ 95%RH	1%RH	±5% from 40% ~ 80% RH between 59° and 104°F, (15° ~ 48°C) ±7% < 40% or > 80% RH, between 59° and 104°F, (15° ~ 40°C)
Battery	(2) AAA batteries	

Accessories

Thermistor

ATT31 (DTH31)



FEATURED PRODUCT

NEW

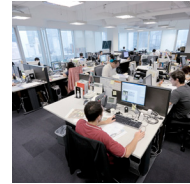


AQM4

Air Quality Lit #349

The AQM4 meter measures CO₂ levels, CO levels, air temperature, dew point, wet bulb temperature, and humidity. The AQM4 is an ideal instrument for indoor air quality (IAQ) diagnosis. The portable AQM4 uses NDIR (non-dispersive infrared) technology for CO₂ measurement to ensure reliability and long-term stability. It is useful in verifying HVAC systems performance and air ventilation control.

Poor indoor air quality causes tiredness, inability to concentrate, and even illness (ex. Sick Building Syndrome). IAQ monitoring and surveying especially for CO₂ levels and air ventilation. It is also recommended for regulating standards of industrial air quality in some countries.



CAN'T FIND WHAT YOU'RE LOOKING FOR?...

UEi offers a full line of HVAC/R and Combustion Testing equipment. We have grouped our products specifically to make it easy to find what you're looking for. Here are a few related products and data sheets. For a complete list visit: www.ueitest.com

Product Part # or Group	LIT #
Digital Clamp Meters	L332
Digital Multimeters	L333
A/C & Refrigeration	L351
Temperature Testers	L352
Electrical Testing Equipment	L342
Industrial Combustion	L334

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