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

UEi
TEST iNSTRUMENTS™

DAFM3
Digital Air Flow Meter

THL2
Temperature and Humidity USB Data Logger

Functions

DAFM3

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

THL2

- 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

Features

DAFM3

- 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

THL2

- Windows™ compatible software
- 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.

Includes

DAFM3

- Hard Carrying Case
Battery 9V
Manual

THL2

- Magnetic Mount
Software
Battery 3.6V Lithium
Manual

Specifications   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	-40˚ ~ 158˚F (-40˚ ~ 70˚C)
		(25˚C, 40 ~ 100% RH)	±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)	

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

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

DTH10

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

DTH880

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)	

ATT31

NEW

AQM4
Air Quality Lit #349

The AQM4 meter measures CO_2 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 CO_2 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 CO_2 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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