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**

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

**Features**

- 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

**Includes**

- Hard Carrying Case
- Battery 9V
- Manual

**Specifications**

<table>
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<tr>
<th>Description</th>
<th>Specification</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>-4° ~ 140°F (-20° ~ 60°C)</td>
<td>+1°F (+0.6°C)</td>
<td>0.1°F (0.1°C)</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>0 ~ 100% RH</td>
<td>+3% at 10 ~ 60% RH</td>
<td>0.1%</td>
</tr>
<tr>
<td>Dew Point</td>
<td>-90° ~ 158°F (-68° ~ 70°C)</td>
<td>+3% at 10 ~ 60% RH</td>
<td>0.1%</td>
</tr>
<tr>
<td>Wet Bulb Temperature</td>
<td>-7.5° ~ 158°F (-22° ~ 70°C)</td>
<td>+3% at 10 ~ 60% RH</td>
<td>0.1%</td>
</tr>
<tr>
<td>Air Velocity</td>
<td>0.3 ~ 35 m/s (1 ~ 114 ft/s)</td>
<td>+5%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Air Volume</td>
<td>0 ~ 99999 m/s (0 ~ 99999 cfm)</td>
<td>+5%</td>
<td>0.1(0 ~ 9999.9) or 1 (10000 ~ 99999)</td>
</tr>
<tr>
<td>Battery</td>
<td>9V Alkaline battery or 9V &gt; 200mA adapter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Meter: 175 x 70 x 33 mm</td>
<td>Vane: 170 x 77 x 40 mm</td>
<td></td>
</tr>
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</table>

**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

- 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.

**Function**

- Temperature
- Relative Humidity
- Dew Point
- Logger Temperature

**Accuracy**

- Temperature: ±0.3°F (±0.2°C)
- Relative Humidity: ±3.5% (±2%)
- Dew Point Temperature: ±1.8°F (±1°C)
- Logging Rate: Selectable sampling intervals: 2 seconds ~ 24 hours.

**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

**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

**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

### Accessories

**Thermistor**  
ATT31 (DTH31)

**Battery**  
CR2032 battery

**Battery Life**  
150 hours

**Dimensions**  
6.5” x 1.5” x 5” (17.54cm x 4.2cm x 1.6cm)

**ATT31**
The AQM4 meter measures CO₂, 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.

**FEATURED PRODUCT**

**AQM4**

*Air Quality Lit #349*

**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

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<th>Product Part # or Group</th>
<th>LIT #</th>
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<td>L332</td>
</tr>
<tr>
<td>Digital Multimeters</td>
<td>L333</td>
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<tr>
<td>A/C &amp; Refrigeration</td>
<td>L351</td>
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<tr>
<td>Temperature Testers</td>
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<td>Industrial Combustion</td>
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