

## **DIGITAL ANEMOMETER METER AM4836**

**APPLICATION:** Widely used in data collection for boiler, refrigeration industry, ventilation duct, environment monitor, navigation measurement, weather forecast, collection of the weather datum for outdoor busywork and fire department.

### **FEATURES:**

- Display: 13mm 4 Digits LCD Display.
- Data Hold: Maximum Value.
- PC Interface: RS232C Software & Cable.
- Low Battery Indicator.
- Sampling Rate: 1 Second.
- Automatic Power off 0-9 minutes set by users
- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Operating Humidity: Max. 80% RH
- Power Supply : 4x1.5AAA size
- Weight: 260g (0.57lb) including batteries & probe
- Dimensions: Main instrument: 156x67x28mm (6.1x2.6x1.1")
- Velocity sensor: 65x65x115mm
- Direction sensor: 86x69x115mm
- Optional Accessories Cable Software for RS232C



### **SPECIFICATION:**

Display 0.5" (13 mm) 4-digit LCD  
 Measurement units : Air Velocity: m/s, km/h, ft/min, knots  
                             Air Flow: CMM (m³/min); CFM (ft³/min)  
                             Beaufort Scale: Force; Wave Height: m  
                             Direction: °from the North direction  
                             Temp: °C & °F  
 Data hold : Maximum Value  
 Data memorized : 24 groups  
 Sampling rate : reading per second approx  
 Sensors : Air velocity/flow sensor: 3-cup probe  
 Direction probe: Low friction probe  
                             Temperature sensor:  
                             Precision thermostat  
 Data Output: RS 232 C serial interface

### **Range Specifications**

| Air Velocity             | Range     | Resolution | Accuracy         |
|--------------------------|-----------|------------|------------------|
| m/s (meters per sec)     | 0.4-45.0  | 0.1 m/s    | ± (2%+0.1m/s)    |
| km/h (kilo-meters/hour)  | 1.4-162.0 | 0.1 km/hr  | ±(2% +0.1km/hr)  |
| ft/min (feet per minute) | 80-8860   | 0.1 ft/min | ±(2% + 1ft/min)  |
| knots (nautical MPH)     | 0.8-88.0  | 0.1 knots  | ±(2% +0.1 knots) |

**Air Flow**

|                        |            |           |                               |
|------------------------|------------|-----------|-------------------------------|
| CMM (cubic meters/min) | 0-9999     | 0.001 to1 | ± (2% +1m <sup>3</sup> /min)  |
| CFM (cubic ft/min)     | 0-9999     | 0.001 to1 | ± (2% +1ft <sup>3</sup> /min) |
| Beaufort Scale         | 0-12       | 0.1       | ±0.5                          |
| Direction              | 0-360°     | 22.5°     | ±22.5°                        |
| Wave Height            | 0-14       | 0.1       | ±0.1                          |
| Air Temperature        | 32 - 140°F | 0.1 °F    | 0.9 °F                        |
|                        | 0-60 °C    | 0.1 °C    | 0.5 °C                        |