

ANEMOMETERS



THERMO ANEMOMETER



The MT948 is an accurate Thermo-Anemometer that measures Air Velocity, Air Flow and Temperature. The meter is capable of measuring CMM (cubic meters/minute) or CFM (cubic feet/minute) by simply entering the area of the air source and can store 8 memory locations for both CMM and CFM for the most commonly used area sizes that the user can recall at anytime.

The remote vane has a built-in temperature sensor, which simultaneously displays the wind speed and temperature on the large easy to read backlit LCD. The MT948 is ideal for monitoring commercial and domestic air conditioning systems. The MT948 is useful as the sensor can be held in the duct and the operator can read the measurements.

Features

- Simultaneously displays air flow/air velocity plus ambient temperature
- CMM air flow from 0.001 to 999900m³/min (area)
- CFM air flow from 0.001 to 999900ft³/min (area)
- Temperature -10°C to 60°C
- Resolution 0.01m/s
- 20 Points average for air flow
- 16 Memory locations for commonly used area sizes
- Wind speed measure in mph, ft/min, km/h, m/s or knots
- Min / Max

| Function | Range | Accuracy |
|----------------------------------|---------------------------------------|------------------------------------|
| Air velocity m/s | 0.40 to 30.00 m/s | ±(3%+0.20 m/s) |
| Air velocity ft/min | 80 to 5900 ft/min | ±(3%+40 ft/min) |
| Air velocity km/h | 1.4 to 108.0 km/h | ±(3%+0.8 km/hr) |
| Air velocity MPH | 0.9 to 67.0 mph | ±(3%+0.4 mph) |
| Air velocity knots | 0.8 to 58.0 knots | ±(3%+0.4 knots) |
| Air temperature | -10 to 60°C | ±(2.0°C) |
| Air temperature resolution | 0.1°C | |
| Air flow Cubic m/min | 0 to 999900 m ³ /min | area 0.000 to 999.9m ² |
| Air flow Cubic m/min resolution | 0.001 to 100 | |
| Air flow Cubic ft/min | 1 to 999900ft ³ /min | area 0.000 to 999.9ft ² |
| Air flow Cubic ft/min resolution | 0.001 to 101 | |
| Size | 203 x 75 x 50mm, sensor head Ø70mm | |
| Weight | 725g | |



MT948

HOT WIRE ANEMOMETER

The MT945 is a microprocessor designed for low air velocity and the slim probe makes it ideal for grilles and diffuses. The combination of hot wire and standard thermistor, delivers rapid and precise measurements even at low velocity values. The Telescopic probe is ideal for measuring HVAC ducts and other small vents.

Features

- Thermal anemometer, for low air velocity measurement
- Combination of hot wire and standard thermistor deliver rapid, precise measurements
- Temperature 0°C to 50°C
- Min / Max
- Displays air velocity and temperature simultaneously
- Air flow measure in mph, ft/min, km/h, m/s or knots
- Data Hold

| Function | Range | Accuracy |
|-----------------------------|-------------------|-------------------------------|
| Air velocity m/s | 0.1 to 25.0 m/s | ±(5%+1) or ±(1%+1) full scale |
| Air velocity ft/min | 20 to 4925 ft/min | ±(5%+1) or ±(1%+1) full scale |
| Air velocity km/h | 0.3 to 90.0 km/h | ±(5%+1) or ±(1%+1) full scale |
| Air velocity MPH | 0.2 to 55.8 mph | ±(5%+1) or ±(1%+1) full scale |
| Air velocity knots | 0.2 to 48.5 knots | ±(5%+1) or ±(1%+1) full scale |
| Air temperature | 0 to 50°C | ±(1.0°C) |
| Air temperature resolution | 0.1°C | |
| Air velocity m/s resolution | 0.01m/s | |
| Size | 210 x 75 x 50mm | |
| Weight | 280g | |



MT945

MINI ANEMOMETER



The MT90 is a mini anemometer professionally designed to ensure comfort in the hand and with a modern look. Selectable windspeed units are m/s, km/h, ft/min, MPH, Knots, perfect when measuring air velocity in various environments. The large backlit display indicates the air velocity readings together with the temperature measured. Other features include Min/Max recording, Data Hold function and Bluetooth. The Bluetooth function allows the user to transmit data to the Android or iOS mobile App for viewing, organizing and sharing recordings.

Features

- Dual Line 4 Digit LCD Display
- Air velocity in m/s, km/h, ft/min, mph, knots
- Measures air temperature
- Bluetooth BLE
- Auto power off

| Function | Range | Accuracy |
|-----------------------------|-------------------|------------------|
| Air velocity m/s | 1.10 - 25 m/s | ±(3% + 0.30m/s) |
| Air velocity m/s resolution | 0.01m/s | |
| Air velocity km/h | 4.0 - 90.0 km/h | ±(3% + 1.0km/hr) |
| Air velocity ft/min | 220 - 4920 ft/min | ±(3% + 40ft/min) |
| Air velocity mph | 2.5 - 56.0 mph | ±(3% + 0.4mph) |
| Air velocity knots | 2.2 - 48.0 knots | ±(3% + 0.4knots) |
| Air Temperature | 0 - 60°C | ±(2.0°C) |
| Data Transfer | Bluetooth | |
| Size | 213 x 54 x 36mm | |
| Weight | 172g | |



MT90