

## AN100/AN200™ CFM/CMM Thermo-Anemometer + IR Thermometer

These CFM/CMM Thermo-Anemometers simultaneously display Air Flow or Air Velocity plus Ambient Temperature for simplified HVAC troubleshooting, fume hood testing, and general facility maintenance. Easy-to-set area dimensions (cm<sup>2</sup> or ft<sup>2</sup>) are stored in the meter's internal memory for the next power on. The AN200 additionally features a laser pointer and a built-in, non-contact IR thermometer for measuring remote surface temperatures up to 260°C (500°F) with an 8:1 distance-to-spot ratio.



### AN100/AN200 Features

- Stores up to 8 area dimensions (cm<sup>2</sup> or ft<sup>2</sup>) in the internal memory
- Measures 20-point average function for Air Flow
- Offers 3% velocity accuracy via low friction 72 mm (2.83 in) ball bearing vane wheel on cable
- Settings include Data Hold, MIN/MAX, Auto Power off
- Complete with vane sensor with 120 cm (3.9 ft) cable, 9V battery, protective rubber holster, and carrying case

### Applications

- HVAC installation, repair, diagnostics, and optimization
- Fume hood testing, installation, and verification
- Ventilation system installation, servicing, and analysis
- Environmental wind and temperature testing/analysis
- Ionizer flow output monitoring
- Automobile aerodynamic testing
- Plant/Facilities Maintenance

| Specifications                       | Range  | Resolution | Basic Accuracy                                  | Ordering  |
|--------------------------------------|--|------------|---|---|
| Air Velocity                         | 0.40 to 30.00 m/s                                    | 0.01 m/s   | ±3% m/s   | AN100   |
|                                      | 1.4 to 108.0 km/h                                    | 0.1 km/h   | ±3% km/h  | AN100-NIST  |
|                                      | 80 to 5906 ft/min                                    | 1 ft/min   | ±3% ft/min                                      |   |
|                                      | 0.9 to 67.2 mph                                      | 0.1 mph    | ±3% mph   | CFM/CMM Thermo-Anemometer with NIST Certificate                             |
| Air Temperature                      | 0.8 to 58.3 knots                                    | 0.1 knots  | ±3% knots                                       | AN200   |
|                                      | -10°C to 60°C<br>(14°F to 140°F)                     | 0.1°C/°F   | ±(2°C) (4°F)                                    | CFM/CMM Thermo-Anemometer + IR Thermometer                                  |
| Infrared Temperature<br>(AN200 only) | -50°C to -20°C<br>(-58°F to -4°F)                    | 0.1°C/°F   | ±(5°C) (9°F)                                    | AN200-NIST  |
|                                      | -20°C to 260°C<br>(-4°F to 500°F)                    | 1.0°C/°F   | ±2% reading or<br>±2°C, whichever<br>is greater | CFM/CMM Thermo-Anemometer + IR Thermometer w/ Calibration Traceable to NIST |
| Air Flow AN100                       | 0 to 9999 CMM (m <sup>3</sup> /min)                  | 0.1        |   | AN200-NISTL   |
|                                      | 0 to 9999 CFM (ft <sup>3</sup> /min)                 | 0.1        |   |   |
| Air Flow AN200                       | 0 to 999,999 CMM (m <sup>3</sup> /min)               | 0.1        |   | CFM/CMM Thermo-Anemometer + IR Thermometer w/ Limited NIST                  |
|                                      | 0 to 999,999 CFM (ft <sup>3</sup> /min)              | 0.1        |   |   |
| Dimensions/Weight                    | 78 × 74 × 33 mm (7.0 × 2.9 × 1.3 in)/700 g (1.6 lbs) |            |   |   |

