

# 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 CFM/CMM Thermo-Anemometer                                                        |
|                                   | 1.4 to 108.0 km/h                                    | 0.1 km/h   | ±3% km/h                                  | AN100-NIST CFM/CMM Thermo-Anemometer with NIST Certificate                             |
|                                   | 80 to 5906 ft/min                                    | 1 ft/min   | ±3% ft/min                                |                                                                                        |
|                                   | 0.9 to 67.2 mph                                      | 0.1 mph    | ±3% mph                                   | AN200 CFM/CMM Thermo-Anemometer + IR Thermometer                                       |
|                                   | 0.8 to 58.3 knots                                    | 0.1 knots  | ±3% knots                                 |                                                                                        |
| Air Temperature                   | -10°C to 60°C (14°F to 140°F)                        | 0.1°C/°F   | ±(2°C) (4°F)                              | AN200-NIST CFM/CMM Thermo-Anemometer + IR Thermometer w/ Calibration Traceable to NIST |
| Infrared Temperature (AN200 only) | -50°C to -20°C (-58°F to -4°F)                       | 0.1°C/°F   | ±(5°C) (9°F)                              |                                                                                        |
|                                   | -20°C to 260°C (-4°F to 500°F)                       | 1.0°C/°F   | ±2% reading or ±2°C, whichever is greater |                                                                                        |
| Air Flow AN100                    | 0 to 9999 CMM (m³/min)                               | 0.1        |                                           | AN200-NISTL CFM/CMM Thermo-Anemometer + IR Thermometer w/ Limited NIST                 |
|                                   | 0 to 9999 CFM (ft³/min)                              | 0.1        |                                           |                                                                                        |
| Air Flow AN200                    | 0 to 999,999 CMM (m³/min)                            | 0.1        |                                           |                                                                                        |
|                                   | 0 to 999,999 CFM (ft³/min)                           | 0.1        |                                           |                                                                                        |
| Dimensions/Weight                 | 78 × 74 × 33 mm (7.0 × 2.9 × 1.3 in)/700 g (1.6 lbs) |            |                                           |                                                                                        |

