

## Vane Thermo-Anemometer/Datalogger

 **Records data on an SD card in Excel<sup>®</sup> format**  
For easy transfer to a PC for analysis

### Features:

- Measures Air Temperature to 122°F (50°C) and air velocity to 4930ft/min
- Datalogger date/time stamps and stores readings on an SD card in Excel<sup>®</sup> format for easy transfer to a PC
- Adjustable data sampling rate: 1 to 3600 seconds
- Stores 99 readings manually and 20M readings via 2G SD card
- Type K/J Thermocouple input for high temperature measurements
- Large (9999 count) LCD displays Air Velocity and Temperature simultaneously
- 2% velocity accuracy via low friction ball bearing vane wheel on 39" (1m) cable
- Record/Recall MIN, MAX readings
- Data Hold plus Auto power off with disable function
- Complete with 6 x AA batteries, SD card, vane sensor with 3.9ft (120cm) cable, and hard carrying case



Typical application of measuring air velocity and temperature in HVAC

| Specifications     | Range                                 | Resolution | Basic Accuracy      |
|--------------------|---------------------------------------|------------|---------------------|
| Air Velocity       |                                       |            |                     |
| m/s                | 0.4 to 25m/s                          | 0.1m/s     | ±2%rdg              |
| ft/min             | 80 to 4930ft/min                      | 1ft/min    | ±2%rdg              |
| MPH                | 0.9 to 55.9MPH                        | 0.1MPH     | ±2%rdg              |
| knots              | 0.8 to 48.6knots                      | 0.1knots   | ±2%rdg              |
| km/h               | 1.4 to 90.0km/h                       | 0.1km/h    | ±2%rdg              |
| Temperature        | 32 to 122°F (0 to 50°C)               | 0.1°       | ±1.5°F (±0.8°C)     |
| Type K Temperature | -148 to 2372°F (-100 to 1300°C)       | 0.1°       | ±(0.4% + 1.8°F/1°C) |
| Type J Temperature | -148 to 2192°F (-100 to 1200°C)       | 0.1°       | ±(0.4% + 1.8°F/1°C) |
| Memory             | 20,000K data records using 2G SD card |            |                     |
| Dimensions         | 7.2 x 2.9 x 1.9" (182 x 73 x 47.5mm)  |            |                     |
| Weight             | 16.9oz (480g)                         |            |                     |

### Ordering Information:

- SDL310** .....Vane Thermo-Anemometer/Datalogger  
**SDL310-NIST** .....SDL310 with NIST Certificate0  
**872502** .....Type J Bead Wire Probe (-328 to 392°F/-200 to 200°C)  
**TP870** .....Type K Bead Wire Probe (-40 to 482°F/-40 to 250°C)  
**TP200** .....Type K Clamp Probe (-4 to 200°F/-20 to 93°F)  
**TP400** .....Type K Clamp Probe (-4 to 450°F/-20 to 232°C)  
**153117** .....117V AC Adaptor  
**UA100-240** .....100-240V AC Adaptor with 4 plugs (US, EU, UK, AU)

