

# Vane Thermo-Anemometer/Datalogger



**Records data on an SD card in Excel® 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® 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
- Built-in PC interface
- 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	0.01m/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 Certificate  
**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)

