SDL300/SDL310/SDL350 Thermo-Anemometer/Dataloggers

SDL310

SDL350

SDL300

All SDL models have built-in SD slot and includes SD memory card

Three models to choose from with different sensor size and design to either withstand high temperature environment or measure low level air velocity

- Datalogger date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC
- Selectable data sampling rate: 1 to 3600 seconds (1 hour)
- Manually store/recall up to 99 readings
- Type K/J Thermocouple input for high temperature measurements
- Large (9999 count) LCD displays Air Velocity and Temperature simultaneously
- Record/Recall MIN, MAX readings
- Data Hold plus Auto power off with disable function
- Complete with 6 x AA batteries, SD card, sensor with 3.9ft (120cm) cable, and hard carrying case; (See p. 41 and 70 for optional Type K and J Thermocouple probes); 3 year warranty

SDL300 Metal Vane Additional Functions

- 2% velocity accuracy via low friction ball bearing vane wheel on 39" (1m) cable
- Metal Vane withstands temperatures to 158°F (70°C) and air velocity to 6900ft/min

SDL310 Vane Additional Functions

- 2% velocity accuracy via low friction ball bearing vane wheel on 39" (1m) cable
- Measures Air Temperature to 122°F (50°C) and air velocity to 4930ft/min

SDL350 Hot Wire Additional Functions

- Air Velocity meter with telescoping probe designed to fit into HVAC ducts and other small openings and can read down to 40ft/min
- Probe extends up to 7.05ft (215cm) maximum length with cable

SPECIFICATIONS	SDL300	SDL310	SDL350
ft/min	60 to 6900ft/min	80 to 4930ft/min	40 to 3940ft/min
m/sec	0.3 to 35m/s	0.4 to 25m/s	0.2 to 25m/s
km/h	1.0 to 126.0km/h	1.4 to 90.0km/h	0.7 to 72km/h
MPH	0.7 to 78.2MPH	0.9 to 55.9MPH	0.5 to 45MPH
knots	0.6 to 68knots	0.8 to 48.6knots	1 to 31knots
Air Flow (CFM = ft³/min)	—	—	0 to 1,907,000CFM
Air Flow (CMM = m³/min)	—	—	0 to 54,000CMM
Basic Accuracy	2%rdg	2%rdg	5%rdg
Temperature (air)	32 to 158°F (0 to 70°C)	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Common Features			
Temperature (Type J/K)	J: -148 to 2192°F (-100 to 1200°C)/K: -148 to 2372°F (-100 to 1300°C)		
Datalogging	Store readings on SD memory card (included)		
Dimensions/Weight	7.2x2.9x1.9" (182X73X48mm)/17.2oz (487g)		

ORDERING	
SDL300 N	Metal Vane Thermo-Anemometer/Datalogger
SDL310 N	Vane Thermo-Anemometer/Datalogger
SDL350 N	Hot Wire CFM/CMM Thermo-Anemometer/Datalogger
UA100-240	100-240V AC Adaptor with 4 plugs (US, EU, UK, AU)

Vane Versus Hot Wire

Which sensor type should you choose? For many technicians, it is ultimately a matter of preference but there are some distinguishing factors to keep in mind. Vane anemometers are very useful for fast, accurate measurements of air velocity. The ultra compact size of a hot wire anemometer probe makes it easy to access small openings such as louvered vents. Telescoping hot wire probes are also useful for reaching high locations.

CALIBRATION TRACEABLE TO NIST

N *Indicates products that are available with optional calibration traceable to* **NIST.** *See page 160 for a complete listing.*