

Anemo Meteorological Anemometer

The Airflow Anemo wind speed and strength Anemometer is a highly versatile instrument perfect for all those who need to measure outdoor conditions, accurately and economically. Ergonomically designed for one handed operation the meter is weather resistant and ruggedly constructed to withstand everyday use. Reading directly in km/h, m/sec and knots, Anemo also indicates wind strength in the Beaufort scale. Using the internationally accepted rotating cup principle, accurate and comparative readings are repeatedly achieved even in gusty, multi-directional wind conditions.

- Educational: Meteorological studies research
- Environmental: Landfill sites, roof top HVAC plant, safety monitoring
- Industrial: Petro-chem plants, emission stacks, flue gas spillage
- Construction: Cranes, platforms, high rise building safety
- Leisure: Yachting, Athletics, Wind Surfing, Gliding



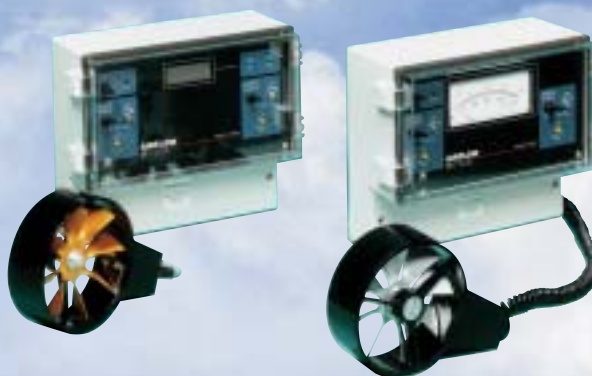
SPECIFICATION

Wind Speed	0 to 120 km/h 0 to 35 m/sec 0 to 66 Knots
Wind Strength	0 to 12 Beaufort
Accuracy	±3 km/h
Dimensions (Approx	205 x 100 mm radius
Weight	325 grams

VM Air Velocity Monitor

The VM Air Velocity monitor range offers outstanding performance and safeguards for permanently installed Airflow monitoring. The latest electronic circuitry incorporates many advanced features not found on higher priced fixed electronic flow meters. Excellent accuracy and long term reliability are assured with all versions equally capable of stand alone monitoring or as part of a fully integrated control system.

- Reliable continuous monitoring using proven rotating vane technology
- Analogue and (optional) BCD output for BEMS use
- IP54 case with clear view cover for on-site use
- Backlit display and visual warning LED's
- Fast, accurate, response to changes in air velocity
- Choice of ranges in analogue and digital display.
- High and low level warnings with multiple outputs.
- HVAC, process control and clean room use.
- Rugged, robust design for on-site installation.



SPECIFICATION

PARAMETER	Metric	Imperial
Low Velocity Models VMD - 5 Digital VMA - 5 Analogue Accuracy 20°C and 1013 mb (68°F and 30 in hg)	0.25 - 5 m/sec 0.25 - 5 m/sec ± 1% of reading 3-5 m/sec below 3 m/sec ± 0.1 m/sec	50 - 1000 ft/min 50 - 1000 ft/min ±1% of reading 600-1000 ft/min below 600 ft/min ± 20 ft/min
High Velocity Models VMD-20 Digital VMA-20 Analogue Accuracy 20°C and 1013 mb (68°F and 30 in hg)	1 - 20 m/sec 1 - 20 m/sec ± 2% of reading ± 0.1 m/sec	200 - 4000 ft/min 200 - 4000 ft/min ±2% of reading ±20 ft/min
Operating Environment Sensor Control Box	-10° to 70°C -10° to 50°C	14° to 158°F 14° to 122°F
Power Supply	110 Volts or 230 Volts AC 1 phase, 50/60 Hz (user selectable)	
Maximum Overload Velocity	35 m/sec	6895 ft/min
Low and High Level Alarm Outputs	Volt free contacts, for 5A resistive or 3A inductive loads.	
Alarm Delay	3 Seconds	8 Seconds
Analogue Output	0 - 1 mA 4 - 20 mA 0 - 10 V	Max Load impedance 75 Ohm Max Load impedance 500 Ohm Max Load impedance 4K Ohm
Digital output (optional)	B.C.D.	
Enclosure Protection	Sealed to IP54 (Optional IP64 to order)	
Dimensions Control Box	207 x 113 x 185 mm	8.3 x 4.5 x 7.4ins
Vane Sensor	110 mm Dia. x 41 mm wide	4 x 1.6ins
Weight	2.4 Kg	5.3lbs.

AIRFLOW™

Telephone: 0845 330 1047 Facsimile: 01494 461073
E-Mail: info@airflow.co.uk Web Site: www.airflow.co.uk