TECPEL

HOT WIRE ANEMOMETER

Model : AVM 714

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FEATURES

* Thermal anemometer, available for very low air velocity measurement.
* Slim probe, ideal for grilles & diffusers.
* Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.
* Microprocessor circuit,
* m/s, km/h, ft/min, knots. mile/h.
* Heavy duty & compact housing case.
* Data hold, Memory (Max. & Min.)
* Auto shut off saves battery life.
* RS 232 PC serial interface.
* Thermistor sensor for Temperature measurement, fast response time.
* Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths.

HOT WIRE ANEMOMETER, Model : AVM 714

FEATURES	
* Thermal anemometer, available for very low air velocity measurement.	* RS 232 PC serial interface.
* Slim probe, ideal for grilles & diffusers.	* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote probe separately.
* Combination of hot wire and standard thermistor, deliver rapid and precise measurements even at low air velocity value.	* Multi-functions for air flow measurement : m/s, km/h, ft/min, knots. mile/h.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Build in temperature ℃, ℉ measurement.
	* Thermistor sensor for Temp. measurement, fast response time.
* Super large LCD with dual function meter's display, read the air velocity & temp. at the same time.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* Heavy duty & compact housing case.	* Deluxe hard carrying case.
* Records Maximum and Minimum readings with recall.	* Applications : Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case, Paint spray booths.
* Data hold.	
* Auto shut off saves battery life.	
* Operates from 6 PCs UM-4 batteries.	

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Data Output	RS 232 PC serial interface.
Display	* 13 mm(0.5") Super large LCD display. * Dual function meter's display.	Operating Temperature	0 ℃ to 50 ℃(32 ℉ to 122 ℉).
Measurement	m/s (meters per second) km/h (kilometers per hour) ft/min (feet/per minute) knots (nautical miles per hour) mile/h(miles per hour) Temp.- ℃, ℉. Data hold.	Operating Humidity	Less than 80% RH.
		Power Supply	1.5 V AAA (UM-4) battery x 6 PCs. (Alkaline or heavy duty type).
		Power Current	Approx. DC 30 mA.
		Weight	355 g/0.78 LB.
Sensor Structure	*Air velocity :* Tiny glass bead thermistor.	Dimension	*Main instrument:* 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch).
	Temperature : Precision thermistor.		Telescope Probe : Round, 12 mm Dia x 280 mm (min. length). x 940 mm (max. length).
Memory	Maximum and Minimum with recall.	Accessories Included	Instruction manual..... 1 PC. Telescope Probe.....1 PC. Hard carrying case.....1 PC.
Sampling Time	Approx. 0.8 sec.		
Power off	Auto shut off saves battery life or manual off by push button.	Optional Accessories	Datalogger software : SW-U801-WIN RS232 cable : UPCB-02

ELECTRICAL SPECIFICATIONS (23 5℃)			
Measurement	Range	Resolution	Accuracy
m/s	0.2 - 20.0 m/s	0.1 m/s	± (5 % + 1 d) reading or ± (1 % + 1 d) full scale ** Depend on which is larger.*
km/h	0.7 - 72.0 km/h	0.1 km/h	
ft/min	40 - 3940 ft/min	1 ft/min	
mile/h	0.5 - 44.7 mile/h	0.1 mile/h	
knots	0.4 - 38.8 knots	0.1 knots	
Temperature (℃)	0 ℃ to 50 ℃	0.1 ℃	± 0.8 ℃
Temperature (℉)	32 ℉ to 122 ℉	0.1 ℉	± 1.5 ℉

Note:
m/s - meters per second *km/h - kilometers per hour*
ft/min - feet/per minute *knots - nautical miles per hour*
mile/h - miles per hour (international knot)

* Appearance and specifications listed in this brochure are subject to change without notice.

0403-AM4204