

Anemomaster™ Model 6810 Series

Rotating Vane Digital Anemometer

Features:

- High Accuracy from 40 to 7800 feet per minute
- 2 sizes of vane heads are available for user's applications
- Industrial grade enclosure and metal vane probe
- Large display with backlight
- Data HOLD, Record and recall MAX / MIN
- Includes metal vane sensor (choice of 2.75" or 1.00" diameter) with 5 ft long cable, extension rod with handle grip, flexible extension rod, 3 pcs. AA batteries, carrying case, and NIST-Traceable calibration certificate



1 inch Air Velocity Probe

Specifications

Model	6812		6813		6815	
Air Velocity Ranges	2.75" Head	1.00" Head	2.75" Head	1.00" Head	2.75" Head	1.00" Head
ft/min	40 to 7800	300 to 6890	40 to 7800	300 to 6890	40 to 7800	300 to 6890
m/s	0.20 to 40.0	1.5 to 35.0	0.20 to 40.0	1.5 to 35.0	0.20 to 40.0	1.5 to 35.0
Resolution	1 FPM or 0.01 m/s		1 FPM or 0.01 m/s		1 FPM or 0.01 m/s	
Air Flow CFM (ft³/min)	0 to 9999		n/a		n/a	
Temperature Ranges	n/a		-4 to 212°F (-20 to 100°C)		-4 to 176°F (-20 to 80°C) *with HTP202	
Accuracy	n/a		+/- (0.3°C + 0.2% of reading in °C)		+/- (0.3°C + 0.2% of reading in °C)	
Relative Humidity Ranges	n/a		n/a		5.0 to 95.0 %RH	
Accuracy	n/a		n/a		+/- 2.0 %RH	
Power Supply	3 x AA Batteries		3 x AA Batteries		3 x AA Batteries	
Main Unit Dimensions	W3.2" x H6.5" x D1.5"		W3.2" x H6.5" x D1.5"		W3.2" x H6.5" x D1.5"	
Weight	0.95 lbs (430 g)		0.95 lbs (430 g)		1.1 lbs (500 g)	

Air Velocity Probes

Model	AP275	APT275	AP100	APT100
Air Velocity	2.75" Head		1.00" Head	
ft/min	50 to 7800		300 to 6890	
m/s	0.2 to 40.0		1.5 to 35.0	
Accuracy	+/- (1.0% reading + 1 digit)		+/- 0.50% FS + 0.75% reading + 1 digit	
Temperature	n/a		n/a	
°F	-4 to 212		-4 to 212	
°C	-20 to 100		-20 to 100	
Accuracy	+/- (0.3°C + 0.2% of reading in °C)		+/- (0.3°C + 0.2% of reading in °C)	

Humidity & Temp. Probe

Model	HTP202
Relative Humidity	
Range	5.0 to 95.0 %RH
Resolution	0.1 %RH
Accuracy	+/- 2.0 %RH
Temperature	
°F	-4 to 176
°C	-20 to 80
Accuracy	+/- (0.3°C + 0.2% of reading in °C)



Thermal probes option

Each temperature probe utilizes a high-quality, Pt100 resistance element. Accuracy according to IEC 751 class B. Handles are made from ABS and are 100mm long and are rated to 90°C. Probes have coiled polyurethane cables which are 1000mm long.



PT216

RTD Temperature Probes

Model	PT211	PT212	PT213	PT216
Type	Immersion RTD Temperature Probe	Air RTD Temperature Probe	Surface RTD Temperature Probe	Penetration RTD Temperature Probe
Temperature				
°F	Up to 1112	Up to 1112	Up to 572	Up to 1112
°C	Up to 600	Up to 600	Up to 300	Up to 600
Response Time	7 seconds	5 seconds	4 seconds	7 seconds
Dimensions	130mm long x 3mm diameter	130mm long x 3mm diameter	130mm long x 3mm diameter	130mm long x 3mm diameter

Accessories

- PT211** Immersion RTD Temperature Probe
- PT212** Air RTD Temperature Probe
- PT213** Surface RTD Temperature Probe
- PT216** Penetration RTD Temperature Probe
- 10215:** Analog Output
- 10216:** USB Output
- 10217:** RS232C Output
- 10227:** Splash-proof Rubber Boot and Seal
- 10195:** 10' Rigid Extension Rod
- 10196:** 10' Flexible Extension Rod
- 10052:** 5' Cable for Air Probe*
- 10059:** 5' Cable for Air & Temp. Probe*
- 6004:** Carrying Case

* Additional cable lengths available