

# **Model: H400**

CE, IEC1010

# **Anemometer with Temperature**





### **FEATURES**

- Measures air flow speed & temperature
- m/s, Km/h, ft/min, knots, mile/h
- Large LCD displays both air velocity and temperature
- Memory function to record the maximum & minimum reading
- Microcomputer controlled circuit provides excellent performance
- RS 232 data output
- Data hold
- DC 1.5V battery ( UM-4, AAA ) x 6
- Longer battery life compared to 9V

## Anaheim Scientific

22820 Savi Ranch Parkway • Yorba Linda, CA 92887 Phone: 714-921-9095 • Fax: 714-921-6422

www.anaheimscientific.com



### **Model: H400**

# **ANEMOMETER**

#### **FEATURES**

- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- \* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote vane probe separately.
- \* Multi display units for air velocity measurement : m/s, km/h, ft/min, knots. mile/h.
- \* Selectable F° and C°
- \* Low-friction ball vane wheels is accurate in both high & low velocity.
- \* Thermistor sensor for Temp. measurement, fast response time
- \* Large LCD, show the air velocity and the temperature value at the same time.
- \* Records Maximum and Minimum reading with recall.
- \* Data hold.
- \* Auto shut off saves battery life.
- \* RS 232 PC serial interface.
- \* Operates from 006P DC 9V battery.
- \* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
- \* Wide applications: use this anemometer to check air conditioning & heating systems, measure air velocities, wind speeds, temperature...etc

Power off	Manual or Auto shut off after 10 minutes					
	( Not activated during memory record function )					
Data Output	RS 232 PC serial interface.					
Over load	Indicated by "".					
indication						
Operating	0C° to 50C° ( 32F° to 122F° )					
Temperature						
Operating	Max. 80% RH.					
Humidity						
Power Supply	DC 1.5 V battery ( UM4, AAA ) x 6 PCs,					
	or equivalent.					
Power Current	Approx. DC 8.3 mA.					
Weight	387 g/0.85 LB.					
Size	Main instrument:					
	174 x 68 x 42 mm ( 6.9 x 2.7 x 1.7 inch ).					
	Vane Probe Head:					
	Round, 72 mm Dia.					
Accessories	Instruction manual 1 PC					
Included	Vane probe 1 PC					
	Carrying case 1 PC					

### **GENERAL SPECIFICATIONS**

Display	* 51 mm x 32 mm supper large					
	LCD display.					
	* Dual function meter display.					
Measurement	m/s ( meters per second ),					
	km/h ( kilometers per hour ),					
	ft/min ( feet/per minute ),					
	knots ( nautical miles per hour ),					
	mph ( mile/h, miles per hour ),					
	Temp F°, C°					
	Data hold					
Sensor	Air velocity sensor :					
Structure	Conventional twisted van arm and low					
	friction ball bearing design.					
	Temperature sensor :					
	Precision thermistor.					
Circuit	Custom one-chip microprocessor LSI circuit.					
Memory	Records Maximum and Minimum					
Recall	readings with recall.					

### ELECTRICAL SPECIFICATIONS ( $23 \pm 5^{\circ}$ C )

A. Air velocity

Measurement	Range	Resolution	Accuracy	
m/ s	0.4 - 25.0 m/s	0.1 m/s	± (2%+0.2m/s)	
		0.01m/s		
km/h	1.4 - 90.0 km/h	0.1 km/h	± (2%+0.8km/h)	
mph	0.9 - 55.9 mile/h	0.1 mile/h	± (2%+0.4mile/h)	
knots	0.8 - 48.8 knots	0.1 knots	± (2%+0.4knots)	
ft/min	80 - 4930 ft/min	1 ft/min	± (2%+40 ft/min)	
ft/min	80 - 4930 ft/min	1 ft/min	± (2%+40 ft/r	

#### Note

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

B. Temperature

Measuring Range	0°C	to 50°C	/32°F	to 122°F
Resolution	0.1°C	/0.1°C		
Accuracy	± 0.8°	C /1.5°	F	

<sup>\*</sup> Information and specifications are subject to change without notice.

4.1.06

<sup>\*</sup> Please visit www.anaheimscientific.com for the most up-to-date product information.