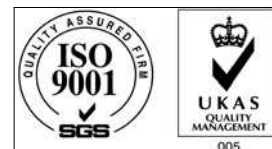


# ANEMOMETER + HUMIDITY METER

Model : AM-4205

ISO-9001, CE, IEC1010



**Lutron**

LUTRON ELECTRONIC

*The Art of Measurement*

# ANEMOMETER/HUMIDITY METER

## Model : AM-4205

FEATURES	
<ul style="list-style-type: none"> <li>* Anemometer &amp; Humidity meter are combined into one meter, intelligent design.</li> <li>* Microprocessor circuit assures maximum possible accuracy provides special functions and features.</li> <li>* Super large LCD display, easy readout.</li> <li>* Dual function meter's display.</li> <li>* Low-friction ball vane wheels is accurate in both high &amp; low velocities for anemometer.</li> <li>* Thin-film capacitance sensor for humidity measurement, high precision.</li> <li>* Records Maximum &amp; Minimum readings with recall.</li> <li>* Data hold.</li> <li>* Auto shut off saves battery life.</li> <li>* RS 232 PC serial interface.</li> </ul>	<ul style="list-style-type: none"> <li>* The portable anemometer provides fast, accurate readings, with digital readability and the convenience of a remote sensor separately.</li> <li>* Multi-functions for air flow measurement: m/s, km/h, ft/min, knots, mile/h.</li> <li>* Build in temperature °C, °F measurement.</li> <li>* Thermistor sensor for Temp. measurement, fast response time.</li> <li>* Used the durable, long-lasting components.</li> <li>* Heavy duty &amp; compact housing case.</li> <li>* Deluxe hard carrying case, easy carryout &amp; storage.</li> <li>* Wide applications : To check air conditioning &amp; heating systems, measure air velocities, wind speeds, humidity temperature...etc.</li> </ul>

GENERAL SPECIFICATIONS					
Circuit	Custom one-chip of microprocessor LSI circuit.	Memory Recall	Records Maximum & Minimum readings with recall.		
Display	* 13 mm ( 0.5" ) Super large LCD display.	Power off	Auto shut off saves battery life or manual off by push button.		
	* Dual function meter's display.	Data Output	RS 232 PC serial interface.		
Measurement	<i>Anemometer :</i> 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 ) Temperature - °C, °F.  <i>Humidity meter :</i> R.H. ( Relative Humidity ) Temperature - °C, °F.	Operating Temperature	0 °C to 50 °C ( 32 °F to 122 °F ).		
		Operating Humidity	Less than 80% RH.		
		Power Supply	006P DC 9V battery (heavy duty type).		
		Power Consumption	Approx. DC 8.3 mA.		
		Weight	350 g/0.77 LB, main instrument.		
		Dimension	<i>Main instrument:</i> 180x72x32 mm (7.1x2.8x1.3 inch). <i>Anemometer probe :</i> Round, 72 mm Dia. <i>Humidity Probe:</i> Round 26 mm Dia. x 160 mm.		
		Sensor Structure	<i>Anemometer :</i> Air velocity : Conventional twisted van arm and low friction ball bearing design. Temperature : Precision thermistor.  <i>Humidity meter :</i> Humidity : High precision thin-film capacitance sensor. Temperature : Precision thermistor.	Accessories Included	Instruction manual..... 1 PC. Anemometer probe..... 1 PC. Humidity Probe..... 1 PC. Carrying case..... 1 PC.
				Optional Accessories	* 33 %RH HUMIDITY CALIBRATOR, RHA-33A * 75 %RH HUMIDITY CALIBRATOR, RHA-75A * Software ( Windows version, data record & data acquisition ) .....SW-U801WIN * RS232 cable.....UPCB-01
Data hold	To freeze the display reading on the LCD display.				
Sampling Time	Approx. 0.8 sec.				

ELECTRICAL SPECIFICATIONS for ANEMOMETER (23 ± 5°C)			
Measurement	Range	Resolution	Accuracy
m/s	0.4 - 25.0 m/s	0.1 m/s	± ( 2 % + 2 d )
km/h	1.4 - 90.0 km/h	0.1 km/h	
mile/h	0.9 - 55.9 mile/h	0.1 mile/h	
knots	0.8 - 48.6 knots	0.1 knots	
ft/min	80 - 4930 ft/min	1 ft/min	
Temperature ( °C )	0 °C to 50 °C	0.1 °C	± 0.8 °C
Temperature ( °F )	32 °F to 122 °F	0.1 °F	± 1.5 °F
<i>Note:</i> 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)			

ELECTRICAL SPECIFICATIONS for HUMIDITY METER		
Humidity	Range	10 % to 95 % R.H.
	Resolution	0.1 % R.H.
	Accuracy(23.5 °C) (after calibration)	70 % R.H. - ± ( 3 % reading + 1 % R.H.) < 70 % R.H. - ± 3 % R.H.
Temperature	Range	0 °C to 50 °C, 32 °F to 122 °F.
	Resolution	0.1 degree.
	Accuracy	°C - ± 0.8 °C. °F - ± 1.5 °F.

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

408-AM4205