## 

## **ANEMOMETER PROBE**

Model: YK-200PAL *ISO-9001, CE, IEC1010* 





## **FEATURES**

- \* Anemometer probe (YK-200PAL) connect with YK-2001TM will become a professional Anemometer
- \* Plastic vane structure, professional.
- \* Low-friction vane wheel assures high accuracy measurement result both in high or low velocities.
- \* Plug and play function, whenever you plug Anemometer probe in YK-2001TM, no calibration procedures are required to be done.
- \* Multi-functions for air flow measurement: m/s, km/h, ft/min, knots, mile/h, °C, °F
- \* Thermistor sensor for Temp. measurement fast response time.
- \* Two temperature units, i.e.  $^{\circ}$ C or  $^{\circ}$ F.
- \* Wide applications: air conditioning, heating systems measure air velocitie wind speed and temperature...etc.



The Art of Measurement

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* Multi-functions for air flow measurement:				
m/s, km/h, ft/min, knots, mile/h, °C, °F				
* Thermistor sensor for Temp. measurement fast response time.				
* Microprocessor circuit.				
* Dual LCD display, show both wind velocity & temp. values.				
* Records Maximum and Minimum readings with				
RECALL facilities.				
* Data hold function.				
* Auto shut off prolongs battery life.				
* RS 232 PC serial interface.				
* Two temperature units, i.e. °C or °F.				
* Wide applications: air conditioning, heating systems				
measure air velocities, wind speed and temperatureetc.				

GENERAL SPECIFICATION S				
Circuit	Custom one-chip microprocessor LSI			
	circuit.			
Measurement	m/s: 0.4 - 25.0 m/s			
	km/h: 1.4 - 90.0 km/h			
	mile/h: 0.9 - 55.9 mile/h			
	knots: 0.8 - 48.8 knots			
	ft/min: 80 - 4930 ft/min			
	Temperature:			
	0 - 50 °C / 32 - 122 °F.			
Memory	Records Maximum and Minimum			
Recall	readings with RECALL facility.			
Power off	Manual power off by push button or Auto			
	power off (Not activated during memory			
	record function).			
Data Output	RS 232 PC serial interface.			
Over load	Indicated by "".			
indication				
Sampling Time	Approx. 0.8 second.			
Operating	0 to 50 ℃			
Temperature				
Operating	Max. 80% RH.			
Humidity				
Size	Probe :			
	Round, 70 mm Dia. x 140 mm length.			
Accessories	Instruction manual1 PC.			
Included	Anemometer probe1 PC.			

ELECTRICAL SPECIFICATION (23±5°C)				
Anemometer				
Unit	Range	Resolution	Accuracy	
m/s	0.4 - 25.0 m/s	0.1 m/s	± (2% + 2d)	
km/h	1.4 - 90.0 km/h	0.1 km/h	F. S.	
mile/h	0.9 - 55.9 mile/h	0.1 mile/h		
knots	0.8 - 48.8 knots	0.1 knots		
ft/min	80 - 4930 ft/min	1 ft/min	± ( 2 % + 20 ft/min )	
			F. S.	
F. S. = full s	cale			
m/s - meters per second		km/h - kilometers pe	km/h - kilometers per hour	
ft/min - feet per minute		knots - nautical mile	knots - nautical miles per hour	
mile/h - miles per hour		(international knot)	(international knot)	
Temperature	,			
Measuring Range		0 °C to 50 °C/32 °F to	0 °C to 50 °C/32 °F to 122 °F	
Resolution		0.1 °C /0.1 °F	0.1 ℃/0.1 °F	
Accuracy		± 0.8 °C/1.5 °F	± 0.8 °C/1.5 °F	

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