

HYGRO-THERMOMETER ANEMOMETER - HTA4200

FEATURES:

- Data Acquisition for up to 1000 triple measurements (Humidity, Temperature, and Air Flow) with manual save
- Optional timer to automatically save data
- Very high accuracy
- Display switchable in °F or °C for temperature and FPM or MPS for airflow
- Memory circuit for Maximum, Minimum and Average
- Display of calculated Dewpoint in °F or °C
- Serial output through standard RS232C Data Link
- 3 separate analog outputs
- User-friendly keypad for easy operation



SPECIFICATIONS

Ranges:		
Air Flow:		
Range: APT275	40 to 7800FPM (0.2 to 40.00MPS)	
APT100	60 to 6800FPM (0.3 to 35.00MPS)	
Sensing Element:		Vane type probe head
Relative Humidity (Combination RH/Temp Probe):		
Range:	5% to 95%	
Sensing Element:		Thin film capacitive type
Temperature Drift:		±0.5% RH per 10°C
Response time:		Up to 90% of fluctuation in 15 sec.
Temperature (Combination RH/Temp Probe):		
Range:	-5° to 175°F (-20° to 80°C)	
Sensing Element:		RTD sensor (PT100)
Response time:		Approx. 60 sec
Temperature (using separate Temperature Probe):		
Range:	-100° to 575°F, -100° to 300°C	
Accuracy:		
Air Flow:	±1% of reading ±1 digit	
Temperature:	±0.2% of Reading ±1 digit	
Relative Humidity	±2% RH ±1 digit	
Resolution:		
Air Flow:	1 FPM or 0.01 MPS	
Temperature:	0.2°F or 0.1°C	
Relative Humidity	0.1% RH	
Display:		0.5" 4 Digit LCD display
Operating Temp:		
Instrument:	32°F to 125°F (0°C to 50°C)	
Humidity/temp probe:	-5°F to 175°F (-20°C to 80°C)	
Air Flow probe head:	-22°F to 212°F (-30°C to 100°C)	
Power Supply:		9 V alkaline battery (Eveready 522)
Battery Life:		Approximately 30 hours
Data Acquisition:		Stores up to 1000 triple measurements (Air Flow, RH and Temperature) with manual save
Data Link:	Standard RS232C at 1200 baud, including handshake signals CTS and RTS	
Analog Outputs:	0-2V each for RH, Temperature and Air Flow	
Dimensions:		
Instrument:	5.9" X 3.2" X 1.2"	
Probe Head 275:	2.75" diameter	
Probe Head 100:	1.0" diameter	
RH/temp probe:	7" X 1" diameter	
Optional:		
i	Rechargeable battery & charger PN CG-3	
ii	Timer for automatically saving data PN TIMER	
iii	Printer PN IMP2600	
iv	Temperature probes: PT201S Immersion probe PT202S Air probe PT203S Surface probe	
v	Battery eliminator PN BAT ELIM	
vi	Sinter filter PN3901	
vii	Display software PN SOFTWARE	
Items supplied with the HTA4200:		
1 pc.	Air Flow/Temperature probe head (either APT275 or 100)	
1 pc.	Humidity/Temperature probe PN HTP201	
1 pc.	RS232C serial cable	
1 pc.	Analog output cable	
3 pcs.	Extension rods PN5001 1 with handle grip PN5003	
1 pc.	Flex rod PN5002	
1 pc.	Connection cable (APT275)	
1 pc.	Carrying case PN6001	

