

Humidity, Dew Point, Temperature, Fast response

HUMIDITY METER

Model : YK-90HT

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

HUMIDITY METER

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FEATURES	
* Humidity + Temperature + Dew point are combined into one meter, intelligent and professional.	* Large LCD with two display, easy readout.
* 0.01 %RH resolution for the humidity reading, 0.01 degree resolution for the Temp. reading.	* Heavy duty & compact housing case, designed for easy carry out & operation.
* Fast humidity measuring response time.	* Records Maximum and Minimum readings with Recall.
* High accuracy and high precision.	* Auto shut off saves battery life.
* Dew point measurement.	* Data hold function for freezing the desired value on display.
* Manual and auto manual data logger.	* RS 232 PC serial interface.
* Data logger function with flexible sampling time selection, can save max. 1000 reading data with recall.	* Show the humidity & temperature values on the LCD display at same time.
* Just few panel buttons, easy operation.	* Built-in low battery indicator.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Wide humidity & temp. measuring range.
	* Separate humidity & temp. probe, easy operation and remote measurement.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of microprocessor LSI circuit.	Operating Temperature	0 to 50 °C.
Display	LCD size : 52 mm x 38 mm dual function LCD display.	Operating Humidity	Main instrument : Less than 85% R.H. Probe : 0 to 95 %RH.
Measurement Unit	Humidity : %RH (Relative Humidity) Temperature : °C or °F. Dew point : °C or °F.	Power Supply	006P DC 9V battery (Alkaline or Heavy duty type).
Response Time	5 to 30 seconds typically. <i>@ Reach the 85% reading value</i>	Power Current	Approx. DC 4.6 mA.
Temperature Compensation	Automatic temp. compensation for the humidity function.	Weight	312 g/0.68 LB. <i>@ Battery is included.</i>
Sampling Time of Data Logger	Manual Push the data logger button once will save data one time. Auto 1, 2, 10, 30, 60, 600, 1800, 3600 seconds.	Dimension	Main instrument : 200 x 68 x 30 mm (7.9 x 2.7x 1.2 inch) Humidity Sensor Probe : 197 mm (7.8 inch) in length.
Data Hold	Freeze the display reading.	Accessories Included	Instruction manual..... 1 PC Humidity probe..... 1 PC
Memory Recall	Maximum & Minimum value.	Optional Accessories	RS232 cable, UPCB-02 Hard Carrying case, CA-06 Soft Carrying case, CA-05A Data Acquisition software, SW-801-WIN Data Logger software, SW-D003-WINCD
Sampling Time	Approx. 0.8 second.		
Power off	Auto shut off saves battery life or manual off by push button.		
Data Output	RS 232 PC serial interface.		

ELECTRICAL SPECIFICATIONS (23± 5 °C)		
Humidity/ Temperature		
Humidity	Range	0 % to 95 % R.H.
	Resolution	0.01 % R.H.
	Accuracy	≥ 70% RH : ± (3% reading + 1% RH). < 70% RH : ± 3% RH.
Temperature	Range	0 °C to 50 °C, 32 °F to 122 °F.
	Resolution	0.01 degree
	Accuracy	°C - 0.8 °C, °F - 1.5 °F.
Dew Point		
°C	Range	-25.3 °C to 48.9 °C
	Resolution	0.01 °C
°F	Range	-13.5 °F to 120.1 °F.
	Resolution	0.01 °F.