

*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.
* 0.1 %RH resolution for the humidity reading, 0.1 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.	* Show the humidity & temperature values on the LCD display at same time.
* Data logger function with flexible sampling time selection, can save max. 1000 reading data with recall.	* RS232 computer interface.
* 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 )		Power Supply 006P DC 9V battery ( Alkaline or Heavy duty type ).
	Temperature : °C or °F.		Power Current Approx. DC 4.6 mA.
	Dew point : °C or °F.		Weight 312 g/0.68 LB. @ Battery is included.
Response Time	5 to 30 seconds typically. @ Reach the 85% reading value		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.
Temperature Compensation	Automatic temp. compensation for the humidity function.		Accessories Included Instruction manual..... 1 PC Humidity probe..... 1 PC
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.	
Data Hold	Freeze the display reading.		Optional Accessories RS232 cable, UPCB-02 USB cable, USB-01 Hard Carrying case, CA-06 Soft Carrying case, CA-05A Data Acquisition software, SW-U801-WIN Data Logger software, SW-DL2005
Memory Recall	Maximum & Minimum value.		
Sampling Time	Approx. 0.8 second.		
Power off	Auto shut off saves battery life or manual off by push button.		

ELECTRICAL SPECIFICATIONS (23± 5 °C)		
<b>Humidity/ Temperature</b>		
Humidity	Range	10 % to 95 % R.H.
	Resolution	0.1 % 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	0.1 degree
	Accuracy	°C - 0.8 °C, °F - 1.5 °F.
<b>Dew Point</b>		
°C	Range	-25.3 °C to 48.9 °C
	Resolution	0.1 °C
°F	Range	-13.5 °F to 120.1 °F.
	Resolution	0.1 °F.

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