

**PRECISION**



# **HUMIDITY/TEMP./DEW POINT METER**

**Model : HT-3009**

**ISO-9001, CE, IEC1010**



## **FEATURES**

- \* The best professional hygrometer.
- \* Humidity + Temperature + Dew point are combined into one meter.
- \* 0.01 %RH humidity resolution.
- \* 0.01 degree temperature resolution.
- \* Very fast humidity measuring response time.
- \* 2 %RH humidity accuracy.
- \* Dew point measurement.
- \* Manual and auto data logger.
- \* Data logger function with flexible sampling time selection, can save max. 1000 reading data with recall.
- \* Records Max. and Min. readings.
- \* Auto shut off saves battery life.
- \* Data hold.
- \* RS 232 PC serial interface.
- \* Separate humidity & temp. probe, easy operation. & remote measurement.



**LUTRON ELECTRONIC**

***The Art of Measurement***



# PRECISION HUMIDITY + TEMP. + DEW POINT METER

## Model : HT-3009

FEATURES	
* The best hygrometer in the world.	* Large LCD with two display, easy readout.
* Humidity + Temperature + Dew point are combined into one meter, intelligent and professional.	* Heavy duty & compact housing case, designed for easy carry out & operation.
* 0.01 %RH resolution for the humidity reading, 0.01 degree resolution for the humidity reading.	* Records Maximum and Minimum readings with Recall.
* Very fast humidity measuring response time.	* Auto shut off saves battery life.
* 2 %RH humidity accuracy, high precision.	* Data hold function for freezing the desired value on display.
* Dew point measurement.	* RS 232 PC serial interface.
* Manual and auto 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.	* Built-in low battery indicator.
* Just few panel buttons, easy operation.	Wide humidity & temp. measuring range.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Separate humidity & temp. probe, easy operation. & remote measurement.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of microprocessor LSI circuit.	Data Output	RS 232 PC serial interface.
Display	59 mm x 34 mm, 16 mm ( 0.63" ) digit size. dual function LCD display,	Operating	Meter : 0 to 50 °C .
		Temperature	Probe : 0 to 60 °C .
Measurement Unit	Humidity : %RH ( Relative Humidity )	Operating Humidity	Main instrument : Less than 80% R.H. Probe : 0 to 100 %RH.
	Temperature : °C or °F.	Power Supply	006P DC 9V battery ( Alkaline or Heavy duty type ).
	Dew point : °C or °F.		
Response Time	Less than 4 seconds. @ Reach the 85% reading value	Power Current	Approx. DC 4.6 mA.
		Weight	313 g/0.69 LB. @ Battery is not included.
Temperature Compensation	Automatic temp. compensation for the humidity function.	Dimension	Main instrument : 203 x 76 x 38 mm ( 8.0 x 3.0 x 1.5 inch ).
Sampling Time of Data Logger	Manual Push the data logger button once will save the data one time.		Humidity Sensor Probe : 197 mm ( 7.8 inch ) in length.
		Auto 1, 2, 10, 30, 60, 600, 1800, 3600 seconds.	Accessories Included
Data Hold	Freeze the display reading by push button.	Optional Accessories	RS232 cable, UPGB-02
Memory Recall	Maximum & Minimum value.		USB cable, USB-01
Sampling Time	Approx. 0.8 second.		Data Acquisitio software, SW-U801-WIN
Power off	Auto shut off saves battery life or manual off by push button.		Data Logger software, SW-DL2005

ELECTRICAL SPECIFICATIONS		
<b>Humidity/ Temperature</b>		
Humidity	Range	0 % to 100 % R.H.
	Resolution	0.01 % R.H.
	Accuracy	± 2% R.H. @ 20 %RH to 80 %RH @ 10 °C to 40 °C
Temperature	Range	0 °C to 50 °C, 32 °F to 122 °F.
	Resolution	0.01 degree
	Accuracy	°C - ± 0.5 °C. @ 5 °C to 35 °C.
<b>Dew Point</b>		
°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.

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