

**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**

**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.<br>Probe : 0 to 100 %RH.                                 |
|                              | Temperature : °C or °F.   |   | Power Supply  | 006P DC 9V battery<br>( Alkaline or Heavy duty type ).  |
|                              | Dew point : °C or °F.   |   |   |   |
| Response Time                | Less than 4 seconds.<br>@ Reach the 85% reading value                 |   | Power Current   | Approx. DC 4.6 mA.  |
|                              | Temperature Compensation  | Automatic temp. compensation for the humidity function. |   | Weight  |
| Sampling Time of Data Logger |   | Manual  | Push the data logger button once will save the data one time. | Dimension   |
|                              | Auto  | 1, 2, 10, 30, 60, 600, 1800, 3600 seconds.              | Humidity Sensor Probe :<br>197 mm ( 7.8 inch ) in length.     |   |
| Data Hold                    | Freeze the display reading by push button.                            |   | Accessories Included  | Instruction manual..... 1 PC.<br>Humidity probe..... 1 PC.<br>Carrying case..... 1 PC.        |
| Memory Recall                | Maximum & Minimum value.  |   | Optional  | RS232 cable, UPCB-02  |
| Sampling Time                | Approx. 0.8 second.   |   | Accessories   | USB cable, USB-01<br>Data Acquisitio software, SW-U801-WIN<br>Data Logger software, SW-DL2005 |
| Power off                    | Auto shut off saves battery life or manual off by push button.        |   |   |   |

| ELECTRICAL SPECIFICATIONS    |            |  |
|------------------------------|------------|--|
| <b>Humidity/ Temperature</b> |            |  |
| Humidity                     | Range      | 0 % to 100 % R.H.                                |
|                              | Resolution | 0.01 % R.H.                                      |
|                              | Accuracy   | ± 2% R.H.<br>@ 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.<br>@ 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.

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