

*Humidity, Dew Point, Temperature, Fast response*

# HUMIDITY METER

**Model : HT-305**

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

**Humidity + Temp. + Dew Point Pocket size**  
**HUMIDITY METER**  
**Model : HT-305**

| FEATURES                                                                                             |                                                                               |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| * Humidity + Temperature + Dew point are combined into one meter, intelligent and professional.      | * 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. |
| * Pocket size with Separate humidity & temp. probe, easy operation. & remote measurement.            | * Records Maximum and Minimum readings with Recall.                           |
| * Fast humidity measuring response time.                                                             | * Auto shut off saves battery life.                                           |
| * High accuracy and high precision.                                                                  | * Data hold function for freezing the desired value on display.               |
| * Dew point measurement.                                                                             | * 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.                                      |
|                                                                                                      | * DC 9V power adapter input socket.                                           |

| GENERAL SPECIFICATIONS   |                                                                                          |                      |                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Circuit                  | Custom one-chip of microprocessor LSI circuit.                                           | Operating Humidity   | Probe : 0 to 95 %RH.<br>Main instrument : Less than 85% R.H.                                                                     |
| Display                  | LCD size : 44 mm x 29 mm dual function LCD display.                                      | Power Supply         | 006P DC 9V battery ( Alkaline or Heavy duty type ).                                                                              |
| Measurement Unit         | Humidity : %RH ( Relative Humidity )<br>Temperature : °C or °F.<br>Dew point : °C or °F. | Power Current        | Approx. DC 4.6 mA.                                                                                                               |
| Response Time            | 5 to 30 seconds typically.<br><i>@ Reach the 85% reading value</i>                       | Weight               | 264 g/0.67 LB.<br><i>@ Battery is included.</i>                                                                                  |
| Temperature Compensation | Automatic temp. compensation for the humidity function.                                  | Dimension            | Main instrument :<br>135 x 60 x 33 mm,<br>( 5.3 x 2.4 x 1.3 inch ).<br>Humidity Sensor Probe :<br>197 mm ( 7.8 inch ) in length. |
| Data Hold                | Freeze the display reading.                                                              | Accessories Included | Instruction manual..... 1 PC<br>Humidity probe..... 1 PC                                                                         |
| Memory Recall            | Maximum & Minimum value.                                                                 | Optional Accessories | Hard carrying case .....CA-06<br>Soft carrying case..... CA-05A                                                                  |
| Sampling Time            | Approx. 0.8 second.                                                                      |                      |                                                                                                                                  |
| Power off                | Auto shut off saves battery life.                                                        |                      |                                                                                                                                  |
| Operating Temperature    | Probe : -20 to 60 °C.<br>Main instrument : 0 to 50 °C.                                   |                      |                                                                                                                                  |

| ELECTRICAL SPECIFICATIONS (23± 5 °C) |            |                                       |                                                                                                                                                                                                         |            |                       |
|--------------------------------------|------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------|
| Humidity/ Temperature                |            |                                       | Dew Point                                                                                                                                                                                               |            |                       |
| Humidity                             | Range      | 10 % to 95 % R.H.                     | °C                                                                                                                                                                                                      | Range      | -25.3 °C to 48.9 °C   |
|                                      | Resolution | 0.1 % R.H.                            |                                                                                                                                                                                                         | Resolution | 0.1 °C                |
|                                      | Accuracy   | < 70% RH :<br>± 3 %RH.                | °F                                                                                                                                                                                                      | Range      | -13.5 °F to 120.1 °F. |
|                                      |            | ≥ 70% RH :<br>± (3% reading + 1 %RH). |                                                                                                                                                                                                         | Resolution | 0.1 °F.               |
| Temperature                          | Range      | -20 °C to 60 °C.                      | <b>Remark :</b><br>* Dew Point display value is calculated from the Humidity/Temp. measurement automatically.<br>* The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement.. |            |                       |
|                                      | Resolution | 0.1 degree                            |                                                                                                                                                                                                         |            |                       |
|                                      | Accuracy   | °C - 0.8 °C.<br>°F - 1.5 °F.          |                                                                                                                                                                                                         |            |                       |