



## HUMIDITY/TEMP. METER

Model : HT-3003

| FEATURES                                                                                                                                 |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| * Humidity measurement used a high precision thin-film capacitance sensor for fast response & not depend on air movement past the probe. | * Build in °C & °F selector on the panel.                                                               |
| * Temperature measurement used type k thermocouple sensor, fast response.                                                                | * 18 mm large LCD display, easy to read.                                                                |
| * Separate humidity & temp. probe, allows user take measurements of an optimum position.                                                 | * LCD display for low power consumption and clear read-out even in bright ambient light level.          |
| * Wide measuring range both of RH & Temp. measurement.                                                                                   | * Used the durable, long-lasting components, including a strong, light weight ABS plastic housing case. |
| * Data hold function to freeze the desired on display.                                                                                   | * LSI-circuit provides high reliability and durability.                                                 |
|                                                                                                                                          | * Compact, light and excellent operation.                                                               |

| GENERAL SPECIFICATIONS |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Display                | 18 mm ( 0.7" ) LCD, 3 1/2 digits.                                                                                       |
| Measurement            | R.H. ( Relative Humidity ), Temperature ( °C & °F ), Data hold.                                                         |
| Sampling Time          | Approx. 0.4 seconds.                                                                                                    |
| Operating Temp.        | 0 °C to 50 °C ( 32 °F to 122 °F ) - main instrument.                                                                    |
| Operating Humidity     | 90% RH max. - main instrument.                                                                                          |
| Power Supply           | 006P DC 9V battery ( Heavy duty type battery ).                                                                         |
| Power Consumption      | Approx. DC 7 mA.                                                                                                        |
| Weight                 | 325 g/0.72 (including battery & probe).                                                                                 |
| Dimension              | <i>Main instrument :</i> 168 x 80 x 35 mm ( 6.6 x 3.2 x 1.2 inch ).<br><i>Sensor Probe :</i> Round 26 mm Dia. x 160 mm. |
| Accessories Included   | Instruction Manual.....1 PC.<br>Carrying Case.....1 PC.                                                                 |

| ELECTRICAL SPECIFICATIONS |                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor Type               | <i>Humidity</i> - Precision thin-film capacitance sensor.<br><i>Temperature</i> - Type k thermocouple sensor, fast response.                                             |
| Measuring Range           | <i>Humidity</i> - 10 % to 95 % RH.<br><i>Temperature</i> - 0 °C to 60 °C, 32 °F to 140 °F.                                                                               |
| Resolution                | <i>Humidity</i> - 0.1% RH.<br><i>Temperature</i> - 0.1 °C & 0.1 °F.                                                                                                      |
| Accuracy                  | <i>Humidity ( 23 ± 5 °C, after calibration ) :</i><br>≥70% RH - ±( 3 % reading + 1 % RH ).<br>< 70% RH - ±3 % RH.<br><i>Temperature :</i><br>°C - ± 1°C<br>°F - ±1.8 °F. |

| Humidity Calibrator ( Humidity calibration standard ), optional |                |
|-----------------------------------------------------------------|----------------|
| 33% RH HUMIDITY CALIBRATOR.....                                 | Model : RHA-33 |
| 75% RH HUMIDITY CALIBRATOR.....                                 | Model : RHA-75 |
| Size : Round 70 mm dia. x 52 mm ( 2.8 inch dia. x 2.0 inch. )   |                |