

3 in 1, Humidity/Temp., Dew point Temp., Wet bulb Temp.

# HUMIDITY/TEMP. METER

Model : SP-82RH

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw) 02-2389-0101



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***The Art of Measurement***

**3 in 1**

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## FEATURES

|  |
|--|
| * 3 in 1 professional environment instruments:<br>1. Humidity/Temp., 2. Dew point, 3. Wetbulb.         |
| * Tiny bone shape with lightweight and small size case design are suitable for handling with one hand. |
| * Wristlet design provides extra protection to the instrument especially for user one hand operation.  |
| * High precision humidity sensor with fast response time.  |
| * Built- in microprocessor circuit assures excellent performance and accuracy.                         |
| * Concise and compact buttons arrangement, easy operation.   |
| * Memorize the maximum and minimum value with recall.  |
| * °C/°F detection by pressing button on the front panel.   |
| * Hold function to freeze the current reading value.   |

|           |  |
|-----------|--|
| Weight    | 160g (battery included)                      |
| Dimension | HWD 120 x 45 x 20 mm (4.7 x 1.8 x 1.2 inch). |
| Standard  | Instruction Manual                           |
| Accessory |  |

## ELECTRICAL SPECIFICATION ( 23 ± 5°C )

### Humidity/Temp.

| Unit  | Range        | Resolution | Accuracy   |
|-------|--------------|------------|--|
| % RH  | 10 to 95 %RH | 0.1 %RH    | < 70% RH :<br>± 4 %RH<br>≥70% RH :<br>± ( 4 %rdg +1.2 %RH) |
| Temp. | 0 to 50 °C   | 0.1 °C     | ± 1.2 °C   |
|       | 32 to 122 °F | 0.1 °F     | ± 2.5 °F   |

## GENERAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Display               | 8 mm LCD display                                 |
| Measurement           | 1. Humidity/Temp.<br>2. Dew point<br>3. Wet bulb |
| Operating Humidity    | Max. 80% RH.                                     |
| Operating Temperature | 0 to 50° C (32 to 122° F)                        |
| Over Input Display    | Indication of "- - - -"                          |
| Power Supply          | CR 2032 DC 3V battery                            |
| Power Consumption     | Approx. DC 5 mA                                  |

### Dew point Temp.

| Unit | Range             | Resolution | Remark                                    |
|------|-------------------|------------|---|
| °C   | -25.3 to 49.0 °C  | 0.1 °C     | * Calculate from the humidity/Temp. value |
| °F   | -13.5 to 120.0 °F | 0.1 °F     |   |

Please refer to [http://en.wikipedia.org/wiki/Dew\\_point](http://en.wikipedia.org/wiki/Dew_point)

### Wet bulb Temp.

| Unit | Range           | Resolution | Remark                                    |
|------|-----------------|------------|---|
| °C   | -5.4 to 49.0 °C | 0.1 °C     | * Calculate from the humidity/Temp. value |
| °F   | 22.2 to 120 °F  | 0.1 °F     |   |

Please refer to [http://en.wikipedia.org/wiki/Wet-bulb\\_temperature](http://en.wikipedia.org/wiki/Wet-bulb_temperature)

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

1101-SP82RH