

HUMIDITY PROBE

Model : YK-200PRH

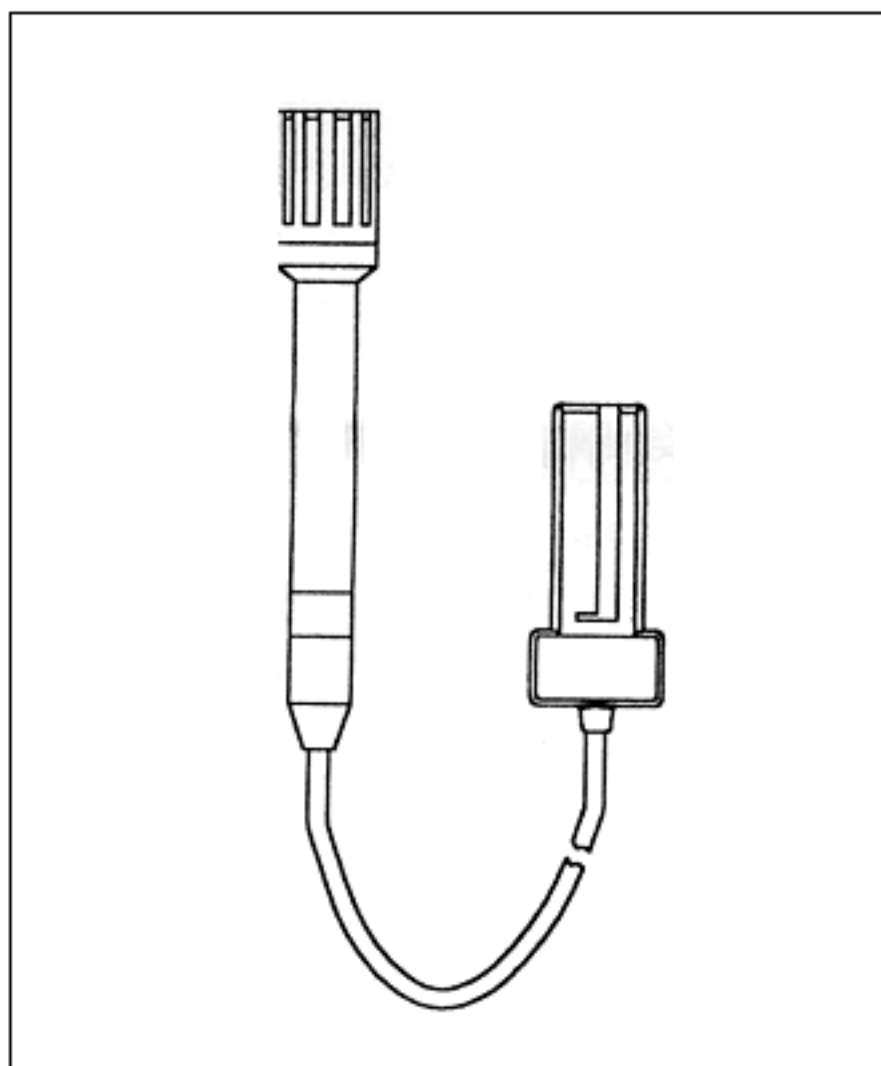


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1. FEATURES

- * Humidity probe (YK-200PRH) connect with YK-2001TM will become a professional humidity/temp. meter with the following function :
 - @ Records Maximum and Minimum readings with Recall facilities.
 - @ Data hold function.
 - @ Auto shut off prolongs battery life.
 - @ RS 232 PC serial interface.
 - @ Two temperature units, i.e. °C or °F.
- * Wide range both for humidity and temperature measurement.
- * Humidity measurement uses a high precision thin – film capacitance sensor for fast response, not depend on air movement past the probe.
- * Separate probe, easy operation and remote measurement.

2. SPECIFICATIONS

2-1 General Specifications

Measurement	R.H. (Relative Humidity), Temperature: °C , °F.	
Sensor	<i>Humidity :</i> High precision thin – film capacitance sensor.	
	<i>Temperature :</i> Precision Thermistor	
Operating Temperature	0 to 50 °C	
Dimension	<i>Probe :</i> Round, 25 mm Dia. x 160 mm length.	
Main function * Humidity probe plug in the optional meter YK-2001TM.	Memory Recall	Records Maximum and Minimum readings with RECALL facility.
	Power off	Manual power off by push button or Auto power off (Not activated during memory record function).
	Data Output	RS 232 PC serial interface.
	Over load indication	Indicated by "– – – –".
	Sampling Time	Approx. 0.8 second.
Accessories Included	Instruction manual.....1 PC.	
Optional Accessories	* 33% RH HUMIDITY CALIBRATOR Model: RHA-33 * 75% RH HUMIDITY CALIBRATOR Model : RHA-75	

2-2 Electrical Specifications(23 ± 5°C)

Humidity

<i>Range</i>	10% to 95% RH.
<i>Resolution</i>	0.1% RH.
<i>Accuracy</i>	≥ 70% RH – ± (3% reading + 1% RH). < 70% RH – ± 3% RH. * after calibration
* Remark : RH – relative humidity	

Temperature

<i>Range</i>	0 to 50 °C/32 to 122 °F
<i>Resolution</i>	0.1 °C/0.1 °F.
<i>Accuracy</i>	<i>Temperature :</i> °C – ± 0.8°C. °F – ± 1.5°F.

3. FRONT PANEL DESCRIPTION

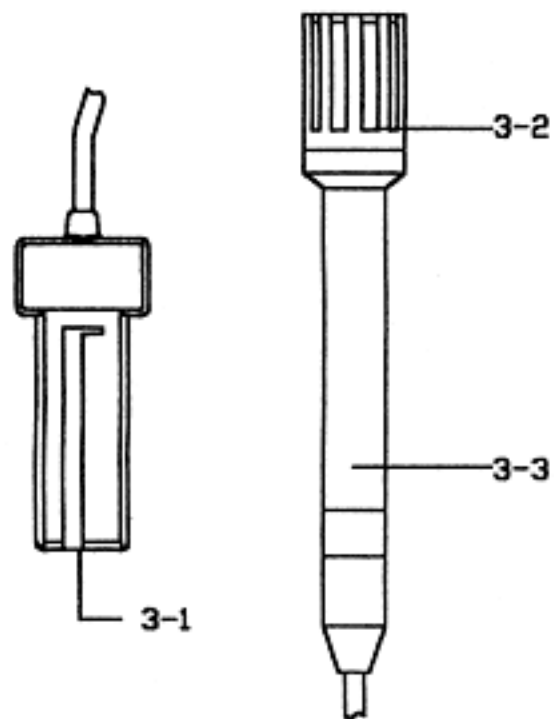



Fig. 1

- 3-1 Humidity Probe Plug
- 3-2 Probe Head
- 3-3 Probe Handle

4. MEASURING PROCEDURE

4-1 Humidity and Temperature measurement

- 1) Connect the " Humidity Probe plug " (3-1, Fig. 1) with the meter (YK-2001TM).

Make sure that the probe lock switch of YK-2001TM should slide to the lock position ().

- 2) Power on the instrument (YK-2001TM).
- 3) Place the " Probe Head " (3-2, Fig. 1) of Humidity probe (YK-200PRH) in the measurement environment.
- 4) Press the " °C,°F Button " (A Button) to select the preferable temperature unit.
- 5) The measured relative humidity value will show on the LCD display.

4-2 Other functions (Hold, Memory, RS232...)

Other functions, such as Data hold, Memory (max., min.,), RS232 interface, Auto power off, Auto power off disable, please refer the operation manual of YK-2001TM.