

HUMIDITY PROBE

Model : YK-200PRH

1. FEATURES

* Humidity probe connect with YK-2001TM will become a professional Humidity Meter.
* 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.
* °C/°F unit selection by push button on the front panel.
* Microprocessor circuit assures high accuracy performance available.
* Separate probe, easy operation and remote measurement.
* Super large LCD display, easy readout.
* Heavy duty & compact housing case.
* 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.

2. SPECIFICATIONS

2-1 General Specifications

Circuit	Custom one-chip microprocessor LSI circuit.
Measurement	R.H. (Relative Humidity), Temperature: °C , °F .
Memory Recall	Records Maximum and Minimum readings with RECALL facility.
Sensor	<i>Humidity :</i> High precision thin-film capacitance sensor. <i>Temperature :</i> Precision Thermistor
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.
Operating Temperature	0 to 50 °C
Dimension	<i>Probe :</i> Round, 25 mm Dia. x 160 mm length.
Accessories Included	Instruction manual..... 1 PC. Humidity probe..... 1 PC.
Optional Accessories	* 33% RH HUMIDITY CALIBRATPR Model: RHA-33 * 75% RH HUMIDITY CALIBRATPR 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.