

# HUMIDITY METER/TYPE K THERMOMETE

Model : HT-3006

FEATURES	
* Humidity meter & Type k Thermometer are combined into one meter, intelligent.	* Data hold function for stored the desired value on display.
* Thin-film capacitance sensor for humidity measurement, high precision.	* RS 232 PC serial interface.
* Type k thermometer build in temperature linearity & precision cold junction compensation circuit, high accuracy.	* Show the humidity & temperature values on the LCD display at same time.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Temperature function for °C or °F be selected by push button on front panel easily.
* Super large LCD display, easy readout.	* Built-in low battery indicator.
* Dual function meter's display.	* Humidity measurement uses a high precision thin-film capacitance sensor for fast response, not depend on air movement past the probe.
* Heavy duty & compact housing case, designed for easy carry out & operation.	* Humidity probe built-in thermistor sensor for temperature measurement, fast response time.
* Records Maximum and Minimum readings with recall.	* Wide range both of humidity & temp. measurement.
* Auto shut off saves battery life.	* Separate humidity & temp. probe, easy operation. & remote measurement.



GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Data Output	RS 232 PC serial interface.
Display	* 13 mm (0.5") Super large LCD display. * Dual function meter's display.	Operating Temperature	Main instrument - 0 to 50 °C. Humidity probe - 0 to 60 °C.
		Operating Humidity	Main instrument, Less than 90% R.H.
Measurement	<i>Humidity meter :</i> R.H. ( Relative Humidity ) Temperature - °C, °F	Power Supply	006P DC 9V battery(heavy duty).
	<i>Type k thermometer :</i> -50 °C to 1230 °C -50 °F to 1999 °F	Power Current	Approx. DC 8.5 mA.
Sensor	<i>Humidity meter :</i> Humidity : High precision thin-film capacitance sensor.	Weight	345 g/0.76 LB, main instrument.
	Temperature : Thermistor.	Dimension	Main instrument: 180x72x32 mm (7.1x2.8x1.3 inch). Humidity Sensor Probe: Round 26 mm Dia. x 160 mm.
Data Hold	By push button	Accessories	Instruction manual..... 1 PC. Humidity probe..... 1 PC. Carrying Case..... 1 PC.
Memory Recall	Maximum & Minimum.	Optional Accessories	22.5 % RH CALIBRATION REF. CAPSULES, RH-22 75 % RH CALIBRATION REF. CAPSULES, RH-75
Sampling Time	Approx. 0.8 second.		Type k thermocouple Probe : TP-01, TP-02A, TP-03, TP-04.
Power off	Auto shut off, saves battery life, or manual off by push button.		

ELECTRICAL SPECIFICATIONS for HUMIDITY METER		
Humidity	Range	10 % to 95 % R.H.
	Resolution	0.1 % R.H.
	Accuracy ( 23 ± 5 °C ) (after calibration)	≥ 70 % R.H. - ± ( 3 % reading + 1 % R.H.) < 70 % R.H. - ± 3% R.H.
Temperature	Range	0 °C to 60 °C, 32 °F to 140 °F.
	Resolution	0.1
	Accuracy	°C - ± 0.8 °C. °F - ± 1.5 °F.

ELECTRICAL SPECIFICATIONS for TYPE K THERMOMETER				
Resolution & Range	1 °C	-50 °C to 1230 °C	Sensor Type	Thermocouple K ( NiCr-NiAl ).
	1 °F	-50 °F to 1999 °F	Linearity	Memory the type k curve into the CPU memory, intelligent.
Accuracy ( 23 ± 5 °C )	°C	± ( 1 % + 1 °C )	Correction	
	°F	± ( 1 % + 2 °F )		

THERMOCOUPLE PROBE (type K), optional			
TP-01	-40 °C to 250 °C (300 °C short-term). Ultra fast response naked-bead probe.	TP-03	-50 °C to 1200 °C ( -50 °F to 2200 °F). High temp., Penetration & immersion.
TP-02A	-50 °C to 900 °C ( -50 °F to 1650 °F). Penetration & Immersion applications.	TP-04	-50 °C to 400 °C ( -50 °F to 752 °F). Precision surface temp. measurement usage.