

INTELLIGENT METER

Model : EM-9200

ISO-9001, CE, IEC1010



Type K TEMP. PROBE
TP-01, TP-02A, TP-03, TP-04



SOUND ADAPTER, SL-407



HUMIDITY PROBE, HD-200PRH



ANEMOMETER PROBE, HD-200PAL



LIGHT PROBE, HD-200PLX



LUTRON ELECTRONIC

The Art of Measurement

Type K/J thermometer
 Humidity (optional), Anemometer (optional)
 Light (optional), Sound level measurement (optional)

INTELLIGENT METER

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FEATURES

* Intelligent instrument, multi-function, all in one.
* Meter build in Type K/J thermometer. Be plugged with optional " plug & play " probe HD-200PRH, HD-200PAL, HD-200PLX, SL-407 to be used as a professional Humidity/Temp. meter, Anemometer, Light meter, Sound level meter.
* Thermocouple Thermometer can default to accept type K or type J Temp. probe.
* Temperature measurement can default the display unit to °C or °F.
* Anemometer can default the display unit to m/S, FPM, Km/h, mph, knot.
* Light meter can default the display unit to LUX or Ft-cd.
* Meter can default auto power off or manual power off.
* 0.1 degree resolution for temperature measurement.
* Microcomputer circuit provides intelligent function and high accuracy.
* LCD with two display, easy readout.
* Records Maximum and Minimum readings with recall. Data hold function for freezing the desired value.
* Build in the input socket for DC 9V power adapter.
* RS232 PC serial interface.
* Few panel buttons, easy operation.
* Built-in low battery indicator.
* Heavy duty & compact housing case.
* Available for the HVAC applications.

Optional Accessories	<ul style="list-style-type: none"> * Type K thermocouple probe. TP-01, TP-02A, TP-03, TP-04. * Humidity probe, HD-200PRH * Anemometer probe, HD-200PAL * Light probe, HD-200PLX * Sound adapter, SL-407 * AC to DC 9V adapter. * RS232 cable, UPCB-02. * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN. * Carrying case, CA-05A, CA-06.
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ELECTRICAL SPECIFICATIONS (23± 5 °C)

Type K/J Thermometer

Sensor Type	Reso-lution	Range	Accuracy
Type K	0.1 °C	-50.0 to 1300.0 °C	± (0.4 % + 0.8 °C)
		-50.1 to -199.9 °C	± (0.4 % + 1 °C)
Type J	0.1 °F	-58.0 to 2372.0 °F	± (0.4 % + 1.5 °F)
		-58.1 to -327.8 °F	± (0.4 % + 1.8 °F)
	0.1 °C	-50.0 to 1100.0 °C	± (0.4 % + 0.8 °C)
		-50.1 to -199.9 °C	± (0.4 % + 1 °C)
	0.1 °F	-58.0 to 2012.0 °F	± (0.4 % + 1.5 °F)
		-58.1 to -327.8 °F	± (0.4 % + 1.8 °F)

* Accuracy value is specified for the meter only.

* Temp. probe (Type K, TP-01 TP-02A, TP-03, TP-04) is the optional accessories, refer page 22.

Anemometer (optional probe, HD-200PAL)

A. Air velocity

Measure-ment	Range	Resolution	Accuracy
m/S	0.4 - 25.0 m/s	0.1 m/s	± (2% + 0.2 m/s)
km/h	1.4 - 90.0 km/h	0.1 km/h	± (2% + 0.8 km/h)
mph	0.9 - 55.9 mile/h	0.1 mile/h	± (2% + 0.4 mile/h)
knot	0.8 - 48.6 knots	0.1 knots	± (2% + 0.4 knots)
FPM	80 - 4930 ft/min	1 ft/min	± (2% + 40 ft/min.)

Note: m/S - meters per second km/h - kilometers per hour
 FPM - feet/minute knot - nautical miles per hour
 mph - miles per hour (international knot)

B. Temperature

Measuring Range	0 °C to 50 °C/32 °F to 122 °F
Resolution	0.1 °C/0.1 °F
Accuracy	± 0.8 °C/1.5 °F

Humidity/Temp. meter (optional probe, HD-200PRH)

A. Humidity

Measuring Range	0 % to 95 % R.H.
Resolution	0.1 % R.H.
Accuracy	≥ 70% RH ± (3% reading + 1% RH). < 70% RH ± 3% RH.

B. Temperature

Measuring Range	0 °C to 50 °C/32 °F to 122 °F
Resolution	0.1 °C/0.1 °F
Accuracy	± 0.8 °C/1.5 °F

Light meter (optional probe, HD-200PLX)

Measuring Range	LUX	0 to 20,000 LUX.
	Ft-cd	0 to 2,000 Ft-cd
Resolution	LUX	1 LUX
	Ft-cd	0.1 Ft-cd
Accuracy		± (5% rdg ± 8 dgt)

Note: Ft-cd : Feet candle