HUMIDITY/TEMP. METER

DEW POINT, RS232, Data logger

Model : MY-91HT   *ISO-9001, CE, IEC1010*

The meter display shows:
63.73 %RH
25.08 °C

Buttons: POWER BACKLIGHT, HOLD ESC, REC MAX / MIN ENTER, FUNCTION SEND, SET LOGGER

Humidity/Temp. Meter
DEW point
Data Logger

Lutron MY-91HT

ISO 9001
UKAS QUALITY MANAGEMENT
005

Lutron

LUTRON ELECTRONIC
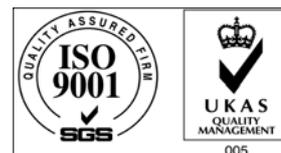
The Art of Measurement

Humidity + Temp. + Dew Point 1000 Data logger no., RS232

HUMIDITY METER

Model : MY-91HT

FEATURES

* Humidity + Temperature + Dew point are combined into one meter, intelligent and professional.
* 0.01 %RH resolution for the humidity reading, 0.01 degree resolution for the Temp. reading.
* Fast humidity measuring response time.
* High accuracy and high precision.
* Dew point measurement.
* Manual and auto manual data logger.
* Data logger function with flexible sampling time selection, can save max. 1000 reading data with recall.
* Just few panel buttons, easy operation.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Large LCD with two display, easy readout.
* Heavy duty & compact housing case, designed for easy carry out & operation.
* Records Maximum and Minimum readings with Recall.
* Auto shut off saves battery life.
* Data hold function for freezing the desired value on display.
* RS 232 PC serial interface.
* Show the humidity & temperature values on the LCD display at same time.
* Built-in low battery indicator.
* Wide humidity & temp. measuring range.
* Separate humidity & temp. probe, easy operation and remote measurement.

Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 ℃.
Operating Humidity	Main instrument : Less than 85% R.H. Probe : 0 to 95 %RH.
Power Supply	DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent.
Power Current	Approx. DC 4.6 mA.
Weight	336 g/0.74 LB. *Battery is included.*
Dimension	Main instrument : 174 x 68 x 42 mm (6.9 x 2.7 x 1.7 inch). Humidity Sensor Probe : 197 mm (7.8 inch) in length.
Accessories Included	Instruction manual.......................1 PC Humidity probe...........................1 PC
Optional Accessories	* Hard Carrying case, CA-06 * Soft Carrying case, CA-05A * RS232 cable, UPCB-02 * USB cable, USB-01 * Data Acquisition software, SW-801-WIN * Data Logger software, SW-DL2005

ELECTRICAL SPECIFICATIONS (23± 5 ℃)
Humidity/ Temperature

	Range	0 % to 95 % R.H.
Humidity	Resolution	0.01 % R.H.
	Accuracy	≧70% RH ± (3% reading + 1% RH). < 70% RH - 3% RH. ± 3% RH.
	Range	0 ℃ to 50 ℃,32 ℉ to 122 ℉.
Temperature	Resolution	0.01 degree
	Accuracy	℃ - 0.8 ℃. ℉ - 1.5 ℉.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 52 mm x 38 mm dual function LCD display.
Measurement Unit	Humidity : %RH (Relative Humidity) Temperature : ℃ or ℉. Dew point : ℃ or ℉.
Response Time	5 to 30 seconds typically. *Reach the 85% reading value*
Temperature Compensation	Automatic temp. compensation for the humidity function.
Sampling Time of Data Logger	Manual: Push the data logger button once will save data one time. Auto: 1, 2, 10, 30, 60, 600, 1800, 3600 seconds.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time	Approx. 0.8 second.
Power off	Auto shut off saves battery life or manual off by push button.

Dew Point

℃	Range	-25.3 ℃ to 48.9 ℃
	Resolution	0.01 ℃
℉	Range	-13.5 ℉ to 120.1 ℉.
	Resolution	0.01 ℉.

Remark :

* Dew Point display value is calculated from the Humidity/Temp. measurement automatically.
* The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement..