

Data output interface

HUMIDITY/BAROMETER/TEMP. MONITOR

Model : MHB-372

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

Data output interface

HUMIDITY/BAROMETER/TEMP. MONITOR

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FEATURES

* Show Humidity, Temperature and Barometer value in the same LCD.
* 0.1 %RH resolution for the humidity reading, 0.1 degree resolution for the Temp. reading.
* Used the precision capacitance type humidity sensor, professional and high accuracy for humidity measurement.
* Professional barometer, unit : hPa, mmHg, inHg.
* Large LCD display, easy readout.
* Microcomputer circuit, high reliability.
* Low power consumption and long battery life when use battery power.
* DC 1.5V (UM-4, AAA) battery x 6 PCs or DC 9V adapter in.
* RS232/USB computer interface.

Battery life	If use the new battery (alkaline type) the battery life will be > one month typically.
Weight	285 g/0.63 LB.
Dimension	132 x 80 x 32 mm (5.2 x 3.1 x 1.3 inch)
Accessories Included	Instruction manual..... 1 PC Hanging unit (with sticker)..... 1 PC
Optional Accessories	AC to DC 9V adapter. USB cable, USB-01. RS232 cable, UPCB-02. Data Acquisition software, SW-U801-WIN.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 60 mm x 50 mm
Measurement	Humidity, Temperature and Barometer
Advanced setting	* Set beep sound ON/OFF. * Set temperature unit to °C or °F * Set RS232 out ON/OFF. * Set the unit of Barometer
Update Time of Display	Approx. 1 second if measuring data is changed.
Data Output	RS 232/USB PC computer interface. * <i>Connect the optional RS232 cable UPCB-02 will get the RS232 plug.</i> * <i>Connect the optional USB cable USB-01 will get the USB plug.</i>
Operating Temperature	0 to 50 °C .
Operating Humidity	Less than 90 % R.H.
Power Supply	* Alkaline or heavy duty DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent. * DC 9V adapter input. (AC/DC power adapter is optional).

ELECTRICAL SPECIFICATIONS (23±5 °C)

Humidity	
Range	10 % to 90 % R.H.
Resolution	0.1 % R.H.
Accuracy	≥ 70% RH : ± (4% reading + 1 % RH).
	< 70% RH : ± 4% RH.

Temperature	
Range	0 °C to 50 °C , 32 °F to 122 °F.
Resolution	0.1 degree
Accuracy	°C - ± 0.8 °C . °F - ± 1.5 °F.

Barometer			
Measurement	Range	Resolution	Accurac. @ reading
hPa	10.0 to 1000.0	0.1	± 2 hPa
	1001.0 to 1100.0	0.1	± 3 hPa
mmHg	7.5 to 825.0	0.1	± 1.5 mmHg
inHg	0.29 to 32.48	0.01	± 0.1 inHg

* Appearance and specifications listed in this brochure are subject to change without notice.

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