HUMIDITY/BAROMETER/TEMP. DATA RECORDER

Model : MHB-382SD

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

* SD card capacity: 1 GB to 16GB (Optional)

* Large LCD display, easy readout

SPECIFICATION

Humidity

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

Temperature

Range	: 0º C to 50ºC , ºF to 122 ºF
Resolution	: 0.1 degree
Accuracy	: ºC- ± 0.8 ºC, ºF - ± 1.5 ºF

Barometer

Measurement	Range	Resolution	Accuracy @ Reading
hpa	10.00 to 999.9	0.1	± 2 hpa
	1000 to 1100	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

GENERAL SPECIFICATION

Circuit	:	Custom one-chip of microprocessor LSI circuit
Display	:	LCD size: 60mm x 50mm
Measurement	:	Humidity, Temperature and Barometer
Memory	:	SD memory card, 1GB to 16GB (Optional)
Datalogger sampling Time	:	5/10/30/60/120/300/600 seconds or Auto

• Default sampling time is 60 seconds

• The "Auto" sampling. Means when the measuring value is changed

($> \pm 1\%$ RH or $> \pm 1^{o}c$ or ± 1 hpa) will save the data one time only.

Advanced setting	:	SD memory card format, Set clock time 9Year/month/date/ Hour/ minute / second

Set sampling time value, Set beep sound On/Off, Decimal point of SD card setting

Set Temperature unit to ^{o}C of ^{o}F, Set RS232 out On/Off, Set the unit or Barometer

Update Time of display	:	Approx. 1 Second If Measuring Data is Changed
Data Output	:	RS232 / USB PC computer interface

• Connect the optional Rs232 cable UPCB -02 will get the RS232 plug.

• Connect the optional USB cable USB - 01 will get the USB plug

Operating Temperature	:	0 to 50ºC
Operating Humidity	:	Less than 90 % RH
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)

Battery life	:	If use the new battery (alkaline type)'and samoling time set to 60 seconds,

the battery life will be > one month typically

Weight	:	285 g / 0.63 LB
Dimension	:	132 x 80x32mm
Accessories Included	:	Instruction manual 1PC

Hanging unit (with sticker)...................1PC

Optional Accessories	:	SD card (2 GB) • AC to DC 9V adapter, • USB cable, USB - 01

• RS232 cable, • UPCB-02, Data acquisition software, SW-U801, WIN