Humidity, Dew Point, Temperature
0.01 %RH, 0.01 degree

HUMIDITY METER

Model : HT-315   *ISO-9001, CE, IEC1010*

www.yalab.com.tw   02-2389-0101

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The Art of Measurement

Humidity, Dew Point, Temperature , 0.01 %RH, 0.01 degree

HUMIDITY METER

Model : HT-315

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.
* Pocket size with Separate humidity & temp. probe, easy operation. & remote measurement.
* 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.
* 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.
* DC 9V power adapter input socket.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	LCD size : 44 mm x 29 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.	
Data Output	RS 232 PC serial interface.	
Operating Temperature	Meter	0 to 50 ℃.
	Probe	0 to 80 ℃.

Operating Humidity	Main instrument : Less than 85% R.H. Probe : 0 to 95 %RH.
Power Supply	006P DC 9V battery (Alkaline or Heavy duty type).
Power Current	Approx. DC 4.6 mA.
Weight	264 g/0.67 LB. @ Battery is included.
Dimension	Main instrument : 135 x 60 x 33 mm, (5.3 x 2.4 x 1.3 inch). Humidity Sensor Probe : 197 mm (7.8 inch) in length.
Accessories Included	Instruction manual........................ 1 PC Humidity probe............................ 1 PC
Optional Accessories	* RS232 cable, UPCB-02 * USB cable, USB-01 * Excel data acquisition software, SW-E802 * Data acquisition software, SW-801-WIN * Excel data transfer software, SW-E2005 * Data transfer software, SW-DL2005 Power adapter (ACV to DC 9V)

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

Humidity/ Temperature

Humidity	Range	10 % to 95 % R.H.
	Resolution	0.01 % R.H.
	Accuracy	≧70% RH : ± (3% reading + 1% RH). < 70% RH : ± 3% RH.
Temperature * Probe	Range	0 ℃ to 80 ℃,32 ℉ to 176 ℉.
	Resolution	0.01 degree
	Accuracy	℃ - 0.8 ℃. ℉ - 1.5 ℉.

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..

* Appearance and specifications listed in this brochure are subject to change without notice.   HT315+1612