# **POCKET HUMIDITY METER**

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



### **Features:**

- \* *Measurement :*Humidity, Temperature, Dew point
- \* Resolution:
  0.01 %RH, 0.01 degree.
- \* Fast response time.
- \* Separate probe.
- \* Pocket and compact housing case.
- \* Max., Min. measurement.
- \* Data hold.
- \* LCD display.
- \* DC 006P 9 V battery.
- \* Size: 135 x 60 x 33 mm.





The Art of Measurement

## Humidity + Temp. + Dew Point, Seperate probe

# **HUMIDITY METER**

**Model: HT-315** 

### 1. 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.				
* 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.				

**2-1 General Specifications** 

Circuit	Custom one-chip of microprocessor LSI		
	circuit.		
Display	LCD size: 44 mm x 29 mm		
	dual function LCD display.		
Measurement	Humidity: %RH ( Relative Humidity )		
Unit	Temperature : °C or °F.		
	Dew point : °C or °F.		
Response Time	5 to 30 seconds typically.		
	@ Reach the 85% reading value		
Temperature	Automatic temp. compensation for the		
Compensation	humidity function.		
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	Meter 0 to 50 ℃.		
Temperature	Probe 0 to 80 ℃.		
Operating	Main instrument: Less than 85% R.H.		
Humidity	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.		
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	Instruction manual1 PC		
Included	Humidity and Temp. probe1 PC		
Optional	RS232 cable, UPCB-02		
Accessories	USB cable, USB-01		
	Data Acquisition software, SW-801-WIN		
	Case wall holder		
	Power adapter ( ACV to DC 9V )		

2-2 Electrical Specifications (23±5 °C)

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

Dew Point		
$^{\circ}$ C	Range	-25.3 °C to 48.9 °C
	Resolution	0.01 ℃
°F	Range	-13.5 °F to 120.1 °F.
	Resolution	0.01 °F.

#### 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..

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.