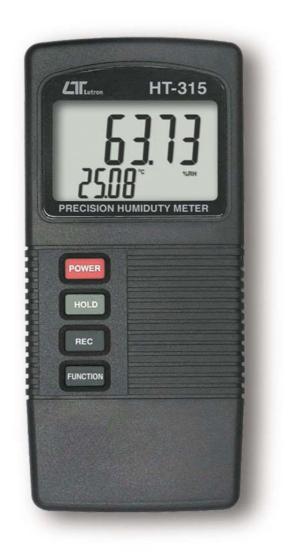
Humidity, Dew Point, Temperature, Fast Response 0.01 %RH, 0.01 degree

# HUMIDITY METER

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











The Art of Measurement

### Humidity + Temp. + Dew Point Pocket size

## **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. SPECIFICATIONS

2-1 General Specifications

Z-1 General 3			
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	0 to 50 °C.		
Temperature			
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.		
	@ 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	Instruction manual1 PC		
Included	Humidity probe1 PC		
Optional	RS232 cable, UPCB-02		
Accessories	Data Acquisition software, SW-801-WIN		
	Case wall holder		
	Power adapter ( ACV to DC 9V )		

### 2-2 Electrical Specifications (23 ± 5 $^{\circ}$ C)

### **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 °C to 50 °C,32 °F to 122 °F.
Temperature	Resolution	0.01 degree
	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..