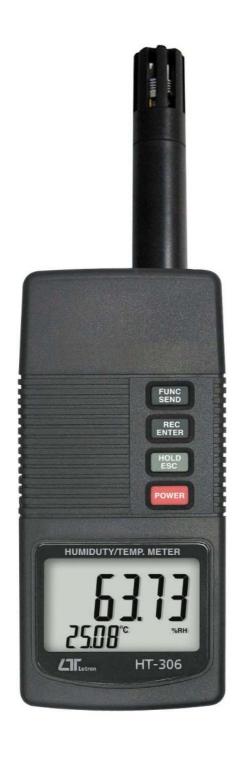*all in one, 0.01 %RH, 0.01 degree*

HUMIDITY/TEMP. METER

Model : HT-306   *ISO-9001, CE, IEC1010*

FEATURES

* Measurement :
  Humidity, Temp., Dew point.
* Humidity : 10 to 95 %RH.
  Temperature measurement.
* Resolution :
  0.01 %RH, 0.01 degree.
* Fast response time.
* Data hold, Record (max., min.).
* Meter build in probe, all in one,
  easy operation.
* RS-232 computer interface.
* DC 9V battery (006P) or
  DC 9V adapter in.

LUTRON ELECTRONIC

The Art of Measurement

Humidity + Temp. + Dew Point, all in one
HUMIDITY METER
Model : HT-306

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, all in one, meter combine with humidity and humidity probe.
* 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.

Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 ℃.
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	202 g/0.44 LB. @ Battery is included.
Dimension	204 x 60 x 33 mm, (8.0 x 2.4 x 1.3 inch).
Accessories Included	Instruction manual........................1 PC
Optional Accessories	RS232 cable, UPCB-02 USB cable, USB-01 Data Acquisition software, SW-801-WIN Case wall holder, WH-08. Power adapter (ACV to DC 9V)

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 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.
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.

2-2 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	Range	0 ℃ to 50 ℃ ,32 ℉ to 122 ℉.
	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..