

%RH/Temp., Type K Temp., 4 in 1

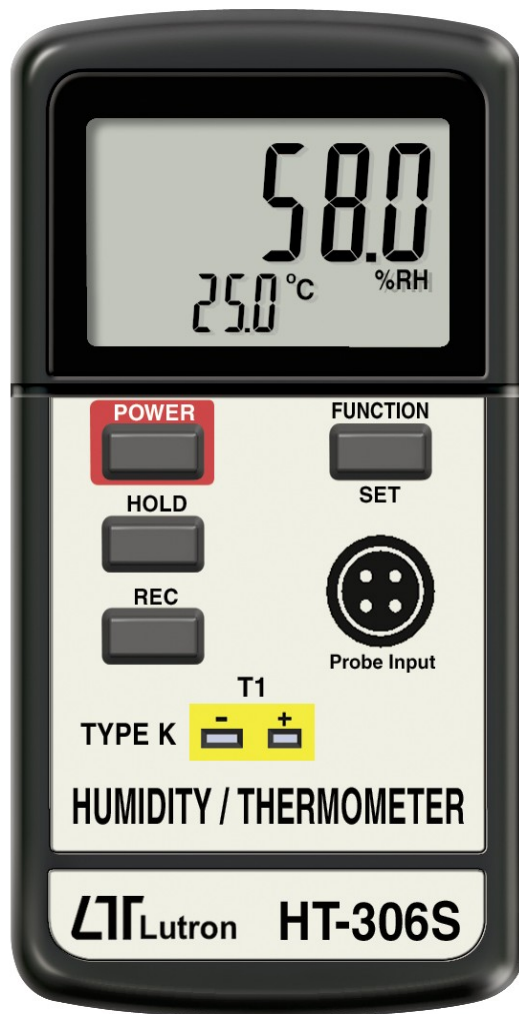
# HUMIDITY/ THERMOMETER

Model : HT-306S

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

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*The Art of Measurement*

%RH/Temp., Type K Temp, 4 in 1

# HUMIDITY/THERMOMETER

Model : HT-306S

## FEATURES

* High Precision Humidity & Temp. measurement .
* Fast responstime Humidity measurement .
* One channels type K thermometer.
* Wide Temp. range measurement.
* °C/°F, 0.1 degree.
* Heavy duty & compact housing case. and high accuracy.
* LCD with two display, easy readout.
* Records Maximum and Minimum readings with recall.
* Data hold function for freezing the desired value.
* Meter can default auto power off or manual power off.
* Meter can default the measuring unit to °C or °F.
* Few panel buttons, easy operation.
* Built-in low battery indicator.
* Heavy duty & compact housing case.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	LCD size : 46 mm x 28 mm dual function LCD display.	
Display Unit	°C, °F.	
Resolution	Type K	0.1 °C, 0.1 °F.
	Humidity	0.1 %RH.
Sensor type	Humidity	High precision capacitance type humidity sensor with Temp.
	Type K Temp.	Type K Thermocouple
Temperature Compensation	Automatic temp. compensation for the cold junction for type K thermometer * Type K Temp.	
Linear Compensation	Linear Compensation for the full range.	
Probe Input Socket	Humidity probe : DIN 4 pin socket. Thermocouple Temp. probe : Standard 2 pin type K socket.	
Over Indication	Show " ---- ".	
Data Hold	Freeze the display reading.	
Memory Recall	Maximum & Minimum value.	
Sampling Time of display	Approx. 1 second.	
Power off	Auto shut off saves battery life or manual off by push button.	
Operating Temperature	0 to 50 °C.	
Operating Humidity	Less than 80% R.H.	
Power Supply	006P DC 9V battery ( Alkaline or Heavy duty type ).	
Power Current	Approx. DC 3.5 mA	
Weight	115 g/ 0.25 LB.	

Dimension	131x70x27 mm, ( 5.1x2.7x1.1 inch ).
Accessories Included	Humidity probe.....1 PCS Instruction manual.....1 PCS
Optional Accessories	Type K thermocouple probes : TP-01, TP-02A. TP-03, TP-04, TP-05

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

### Humidity / Temperature

Humidity	Range	10 % to 95 % RH	
	Resolution	0.1 % RH	
	Accuracy	≥ 70 % RH ± ( 3 % reading + 1 % RH < 70 % RH ± 3 % RH	
Temperature	Range	0 °C to 50 °C, 32 °F to 122 °F	
	Resolution	0.1 degree	
	Accuracy	°C	± 0.8 °C
		°F	± 1.5 °F

### Dew Point(Humidity)

°C	Range	-25.3°C to 48.9 °C	
	Resolution	0.1 °C	
°F	Range	-13.5 °F to 120.1 °F	
	Resolution	0.1 °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..

### Wet bule (Humidity)

°C	Range	-21.6°C to 50.0 °C	
	Resolution	0.1 °C	
°F	Range	-6.9 °F to 122 °F	
	Resolution	0.1 °F	

Remark :

- \* Wet bule display value is calculated from the Humidity/Temp. measurement automatically.
- \* Wet bule Point accuracy is sum accuracy value of Humidity & Temperature measurement..

### Type K Thermometer

Sensor Type	Resolution	Range	Accuracy
Type K	0.1 °C	-50.0 to 1300.0 °C	± (0.4 % + 0.5°C)
		-50.1 to -199.9 °C	± (0.4% + 1 °C)
	0.1 °F	-58.0 to 2372.0 °F	± (0.4 % + 1°F)
		-58.1 to -327.8 °F	± (0.4% + 1.8°F)

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

HT306S+1508