



FEATURES

- Display Temperature, Humidity and time simultaneously
- Memory of MAX & MIN measuring value
- 12-hour / 24-hour displaying system selectable
- °C / °F unit selectable
- Integral-hour Alarm Function
- Alarm Function
- Clock & Calendar Function (month and date)
- Desk-top placing or Wall Hanging
- Large-character LCD Display
- Multi-function
- Low Power Consumption
- High stability & accuracy

SPECIFICATION

- **Temperature Range** : - 50 ~ + 70°C (-58 ~ + 158°F)
- **Humidity Range** : 20%~99% RH
- **Resolution :**
- **Temperature** : 0.1°C (0.1°F)
- **Humidity** : 1% RH
- **Accuracy :**
- **Temperature** : ± 1°C (1.8°F)
- **Humidity** : ± 5% RH (40% ~ 80%)
- **Power Supply** : 1.5V (AAA size) x 1
- **Product Dimension** : 100 x 108 x 20 mm
- **Weight** : Approx. 160g
- **Storage Condition** : -20°C ~ 60°C, 20 ~ 80% RH




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INTRODUCTION

HT-305 is a Stable, Safe, Reliable Mini Digital Temperature & Humidity Meter, which is widely used in Food Grain storage and Transportation, File Management, Material Management, Forestry and Animal Husbandry, Health Care, Teaching Experiment, Public Sector, Home and others.

- 4 Digits Backlit LCD Dual Display.
- Measures Temperature in Celsius and Fahrenheit Scales
- Data Hold
- MAX/MIN Record Function
- Auto Power Off
- Over-Range Indication
- 1.5 x 3 AAA Battery Operated
- Confirms to ENg1326-1, Pollution Level 2

GENERAL TYPE

- LCD display : 4 Digit LCD display.
- Overload indication : When humidity is >99.99%RH, "100.0%RH" will be displayed; when temperature is > 60°C or < -20°C, "OL" will be displayed.
- Low battery indication : Prompts "  ".
- Sampling rate : 1/s.
- Sensor type : High-Accuracy digital temperature and humidity Module.
- Impact strength : Can withstand the impact of landing from 1 meter's height.
- Power requirement : 1.5V batteries (AAA) x 3
- Product size : 155 x 50 x 28mm
- Weight : 102g

ENVIRONMENT SPECIFICATION

- Indoor use
- Maximum height : 2000m
- Safety : EN61326-1
- Pollution level : 2
- Working temperature and humidity : 0°C ~ 40°C (not greater than 90%RH)
- Storage temperature and humidity : -20°C ~ 60°C (not greater than 75%RH)



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ELECTRICAL SPECIFICATION

- Accuracy : Humidity : ±5%RH (normal temperature condition)
Temperature : ±1.0°C (normal temperature condition)
- Environment temperature : 23°C±3°C
- Environment humidity : ≤ 90%RH

TECHNICAL SPECIFICATION

Function	Range	Resolution	Accuracy	Description
Humidity	0 ~ 100.0%RH	0.1%RH	±5%RH	Under normal temperature condition (23°C ±5°C)
Temperature	-10 ~ 60°C	0.1°C	±1°C	Under normal humidity condition (40%RH ~ 75%RH)
	14 ~ 140°F	0.2°F	±2°F	
Sampling Rate			1/s	Sampling rate is once per second.
Overload Indication			100%RH/OL	Maximum displayed humidity is 100%RH; if the temperature is lower than 20°C or higher than 60°C, "OL" will be displayed
MAX/MIN Measurement			MAX/MIN	Shows "MAX/MIN".
Data Hold			HOLD	Shows "HOLD"
Unit			°C/°F	Shows °C/°F
Backlight			BL	Manually turn ON or OFF backlight
Auto Power off			5mins	Automatically power Off after 5mins without operation; function can be turned off
Low Battery			3.0 ~ 3.5V	Show low battery prompt when power is 3.0 ~ 3.5V.



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INTRODUCTION

This is a stable, safe and reliable digital temperature and humidity meter with separable probe which is widely used in grain storage and transportation, file management, material management, forestry and animal husbandry, health care, teaching, public sector and home use.

FEATURES

- Precise Temperature & Humidity Sensor
- Split type Design with extendable spring cable for convenient measurement
- Backlit LCD Display
- Auto Power Off
- Data Hold
- MAX / MIN Value
- Lower Power Indication
- Temperature Scale Selection between °C / °F



Function	Description
Unit Switch	Selectable Temperature Unit
Extreme Value	Maximum / Minimum Value
Data Hold	HOLD Symbol Appears
Overload Alarm	When the humidity exceeds 100.0%RH, 100.0%RH is shown on the screen; when the temperature exceeds 60°C, OL symbol is shown; when the temperature lower than 20°C, -OL is shown.
Backlight	Backlight Function
Auto Power Off	The Device will turn off automatically without operation for 5 minutes
Sampling Range	Once / Second
Drop Test	1m
Battery	1.5V AAA*3
Operating Environment	Indoor 0°C ~ 40°C (≤ 90%RH)
Storage Environment	Indoor -20°C ~ 60°C (≤ 75%RH)
Altitude	2000m
Pollution Grade	2

TECHNICAL SPECIFICATIONS

Function	Range	Resolution	Accuracy	Note
Humidity	0 ~ 100.0%	0.1% RH	20 ~80% RH; ±5% RH Other; ±8% RH	AmbientTemperature
Temperature	-10 ~ 60°C	0.1°C	±0.1°C	AmbientHumidity
	14 ~ 140°F	0.2°F	±0.2°F	

INTRODUCTION

Metravi HT-12 is a digital temperature & humidity meter, with alarm clock, min & max temperature & humidity reading, comfort level indication and option to measure indoor temperature and humidity as well as outdoor temperature simultaneously.

FUNCTIONS

- Indoor Temperature/Humidity testing, along with outdoor temperature testing simultaneously
- Records MIN/MAX values of Temperature/Humidity
- °C/°F unit selectable
- Clock: 12/24 hour format selectable
- Alarm clock : Alarm time up to 60 seconds
- Comfort level indication

TECHNICAL SPECIFICATIONS

Function	Range	Resolution	Accuracy	Sampling Frequency	Remark
Temperature	-10 ~ 50°C	1°C	± 1°C	10s	0 ~40°C : ± 1°C, others : ±2°C
Humidity	20 ~ 95%RH	1%RH	± 5%RH	10s	Normal temperature (40~80%RH: ±5%RH; others: ±8%RH)

Battery : 1.5V (AAA)

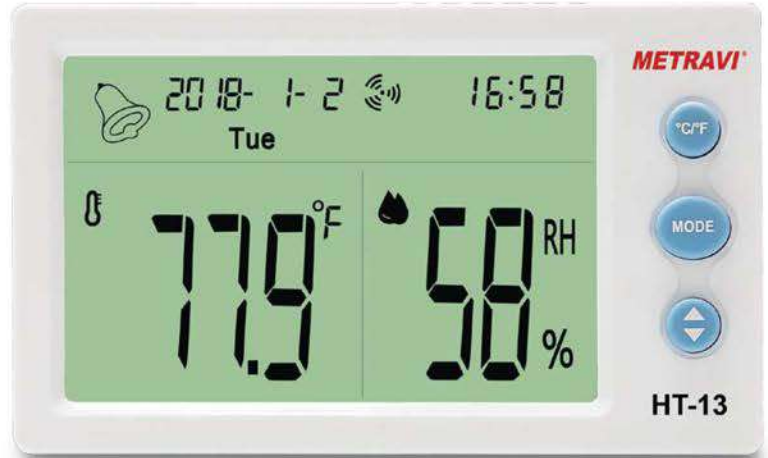
Storage temperature : -20° ~ 60°C)

Storage humidity : 20 ~ 80%RH



INTRODUCTION

Metravi HT 13 is a digital temperature humidity meter with date and clock display. It is handy, easy-to-use, reliable and low power consumption. This meter is applicable in various occasions, such as homes, labs, offices, hotels, schools, shopping malls, hospitals, airports and restaurants.



FUNCTION

- Temperature/humidity
- °C/°F unit selectable
- Time clock : YYYY-MM-DD-Week-Time (12/24 selectable)
- On time alarm
- Alarm clock

TECHNICAL SPECIFICATIONS

Function	Range	Resolution	Accuracy	Sampling Frequency	Remark
Temperature	-10 ~ 50°C	1°C	± 1°C	10s	0 ~40°C : ± 1°C, others : ±2°C
	14 ~122 °F	0.2°F	± 2°F		32 ~104°F : ±2 °F, Other : ±4°F
Humidity	20 ~ 95%RH	1%RH	± 5%RH	10s	Ambient environment : (40~80%RH : ±5%RH; others : ±8%RH)

Battery : 1.5V (AAA)

Storage temperature : -20° ~ 60°C) (-4° ~ 140°F)

Storage humidity : 20 ~ 80%RH

FEATURE

- Two in one Precise non-contact measures Temperature (°C / °F) and Relative Humidity simultaneously
- Dual LCD display for temperature and humidity
- Built-in laser pointer to improve non-contact infrared thermometer aim
- Resolution to 0.1% RH, 0.1° or 1°(°C / °F)
- Switchable °C/°F units with MAX and HOLD functions
- Auto power off
- The meter at 8 inches away measure 1 inch target
- Backlit LCD display
- Ideal for Clean rooms, drying rooms, greenhouses, food and textile industries

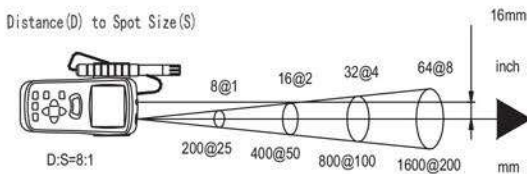
Wide range application

Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and screen printing, measure ink and dryer temperature, Diesel and Fleet maintenance.

Field of View

The meter's field of view is 8:1, meaning that if the meter is 8 inches from the target, the diameter of the object under test must be at least 1 inch.

Other distances are shown below in the field of view diagram.



Infrared Thermometer Specifications

Range		Resolution	Accuracy
-50.0 °C ~ 200.0 °C	-50.0 °C ~ -20.0 °C	0.1 °C	± 5 °C
	-20.0 °C ~ 200.0 °C		± 2% of reading or ± 2 °C
200 °C ~ 500 °C		1 °C	± 2% of reading or ± 2 °C

Range		Resolution	Accuracy
-58.0 °F ~ 200.0 °F	-58.0 °F ~ -4.0 °F	0.1 °F	± 9 °F
	-4.0 °F ~ 200.0 °F		± 2% of reading or ± 4 °F
200 °F ~ 932 °F		1 °F	± 2% of reading or ± 4 °F

Note	1. Accuracy is given at 18 °C to 28 °C (64 °F to 82 °F), less than 80 % RH 2. Accuracy specified is for emissivity of 0.95
Emissivity settings	0.95 fixed
Distance Factor	D : S = Approx. 8:1 (D = distance, S = spot)

Relative Humidity / Air Temperature Specifications

Range	Resolution	Accuracy
5.0% RH ~ 95.0% RH	0.1% RH	± 3.5% RH
-20.0 °C ~ 60.0 °C	0.1 °C	± 2 °C
-4.0 °F ~ 140.0 °F	0.1 °F	± 3 °F

- Note:
1. Accuracy is given at 18 °C to 28 °C (64 °F to 82 °F), less than 80 % RH.
 2. Reaction time humidity is about 80 sec., windstill
 3. The measuring range is from 0% to 100%, but above 95% and below 5% the deviation is not specified.

SPECIFICATIONS

DISPLAY	Dual LCD display for temperature and humidity with backlight
IR MEAS. RANGES	-50.0°C to 500°C/-58.0°F to 932°F
HUMIDITY RANGES	0% to 100% RH
SAMPLE RATE	2.5 times/second.
Over Range Indication	LCD will show "OL"
POLARITY	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity.
IR Spectral Response	6 ~ 14um
POWER OFF	Automatic shut off after 10 minute, approx.
OPERATING TEMP.	0°C to 50°C (32°F to 122°F)
OPERATING %RH	Max. 80% RH
POWER SUPPLY	9V battery
WEIGHT	200g.
SIZE	150 X 75 X 40mm

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INTRODUCTION

This device measures relative humidity, air temperature (with probe), plus "K" type thermocouple wide temperature measurements. The large, easy-to-read backlit LCD includes primary and secondary displays plus numerous status indicators.

FEATURES

- Semiconductor sensor for temperature measurements of 0°C to 40°C and 32°F ~ 104°F plus type-K thermocouple wide temperature measurements of -20.0°C to 1000°C and -4.0°F ~ 1832°F
- Humidity measurement from 0.1% RH to 100.0% RH with 0.1% RH resolution and fast time response. (measuring range is from 0% to 100%, but above 98% and below 5% the deviation is not specified.)
- Fast response for Humidity measurement
- Data Hold and MAX Hold function
- Large dual digital LCD display with function indication

SPECIFICATIONS

Display	Dual LCD with Backlight and status Indicators
Sensor Type	1. Humidity : Precision capacitance sensor 2. Temperature : Themistor (probe) and type "K" thermocouple
Response Time	Probe Temperature and Relative Humidity: 3 minutes
Accuracy note	Accuracy is specified for the following ambient temperature range 64 to 82°F (18 to 28°C)
Sampling Rate	2.5 samples per second
Operating Conditions	32 to 122°F (0 to 50°C); 80% RH non-condensing
Storage Conditions	14 to 140°F (-10 to 60°C); <80% RH non-condensing
Power Supply	9V Battery with auto power off (after 10 minutes)
Dimensions / Weight	



Function	Range and Resolution	Accuracy
Humidity	5.0 to 98.0% RH	± 3.5% RH
Temperature (K-type) (probe accuracy not included)	-20.0 to 199.9 °C	± (3.0% reading + 4 °C)
	-20 to 1000 °C	
	-4.0 to 199.9°F	± (3.0% reading + 7 °F)
-4 to 1832 °F		

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INTRODUCTION

The digital Humidity & Temperature Meter & Wet Bulb Temperature Dew Point temperature has been designed to combine the functions of Humidity Meter, Temperature Meter, Wet Bulb Temperature and Dew point temperature.

It is an ideal Humidity & Temperature Meter Instrument with scores of practical applications for laboratorial, industrial, Engineer and professional use.

The Humidity & Temperature Meter is for use a humidity & temperature semiconductor sensor.

FEATURES

- Fast Response Time % RH: 10S (90% at 25°C still air)
- High Accuracy
- Dew Point Temperature (-30°C ~ 100°C/- 22°F ~ 199°F)
- Web Bulb Temperature (0°C ~ 80°C/32°F ~ 176°F)
- Resolution 0.01% RH, 0.01°C/0.01°F
- Max Hold and Data Hold Function
- Micro Processor-based Design
- Dual Display Temperature & Humidity
- Auto Power off, Disable Sleep Mode
- Backlight
- Mini Size
- Size (H*W*D): 225*45*34mm
- Weight 200g

SPECIFICATIONS

Display	Large 4-1/2 dual digital LCD display with backlight
Sensor Type	A single chip relative humidity and temperature multi sensor module comprising a calibrated digital output.
Response Time	% RH:10S (90% at + 25°C still air)
Accuracy Note	Accuracy is specified for the following ambient temperature range: 64 to 82°F (18 to 28°C)
Sampling Rate	2.5 samples per second
Polarity	Automatic, (-) negative polarity indication
Over-range	"OL" mark indication
Low Battery Indication	The "⚡" is displayed when the battery voltage drops below the operating level
Operating Conditions	32 to 104°F (0 to 40°C); <80% RH non-condensing
Auto Power Off	Meter automatically shuts down after approx 15 minutes of inactivity (Sleep Mode)
Power	One standard 9V, NEDA1604 or 6F22 battery
Dimensions/Wt	225 (H) x 45 (W) x 34 (D) mm/200g
Humidity / Temperature Measurement Range:	
Humidity	0% ~ 100% RH
Temperature	-30°C ~ 100°C, -30°F ~ 199°F
Resolution	0.01% RH, 0.01°C/°F



Humidity Accuracy ± 2% RH (at 25°C, 20% ~ 80% RH)
± 2.5% RH (at other ranges)

Note: The measuring range is from 0% to 100%, but above 80% and below 20% the deviation is not specified.

Air Temperature Accuracy ± 0.5°C / + 0.9°F (at 25°C)
± 0.8°C / + 1.5°F (all other ranges)

NOTE

Do not immerse the probe in liquid; it is intended for use in air only

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