

Temperature Humidity Alarm with Logging Capability

OM-THA2



- ✓ Audible and Visual Alarm
- ✓ Digital Display
- ✓ Log Up To 170 Days of Data
- ✓ Relay Contacts For Remote Alarm or Auto Dialer
- ✓ Remote Sensor

The OM-THA2 is a multi-function unit that monitors temperature, relative humidity and dew point, provides for out-of-range conditions and continuously logs data. It consists of a base unit with an easy to read display and a 4.6 m (15') remote sensor probe.

The alarm function monitors temperature, relative humidity and dew point once every second. If any of the readings reach an alarm threshold, the unit generates an alarm by turning on a beeper and a dry relay contact. The relay can be connected to a telephone dialer, light or bell. The delayed alarm feature can reduce false alarms by ignoring short duration alarm conditions. The unit will also generate an alarm on probe failure.

The logger function records the temperature, relative humidity and dew point into internal non-volatile memory at a user specified interval. The recording is performed continuously after the unit is turned on. No computer setup is necessary to start logging, and all logging settings can be viewed or changed through the front panel functions. When the internal memory becomes full the recording rolls over, over-writing the oldest recorded data. Logged data can be reviewed on a computer using the included Windows software while continuously recording new data.

All the operating settings of the OM-THA2 can be changed from the front panel, without the need for a computer. The two line display provides an easy to read means of viewing or changing settings.

Specifications

SENSOR PROBE

Operating Temperature Range:
-40 to 60°C (-40 to 140°F)



OM-THA2 shown smaller than actual size.

Windows software displays data in graphical or tabular format.

Operating

Humidity Range:

0 to 95% RH non-condensing

Temperature Accuracy: ±2°F (±1°C)

Temperature Resolution:

0.1°F (0.1°C)

Humidity Sensor: Polymer capacitive

Humidity Accuracy: ±2% RH

Humidity Resolution: 0.1% RH

Temperature Sensor: Solid state

Calibration: User calibration for temperature and relative humidity

Dimensions: 9.65 L x 2.79 D cm (3.8 x 1.1")

Weight: 25 g (0.9 oz)

Cable Length: 4.6 m (15')

BASE UNIT

Operating Temperature Range:

0 to 54°C (32 to 132°F)

Storage Temperature:

-18 to 54°C (0 to 130°F)

Operating Humidity: 0 to 95% RH non-condensing

Power: 12 to 24 Vac/Vdc, 0.78W alarm active

Battery Backup: 9V alkaline battery for 35 hrs operation during power outage

Relay: 5A/250V NO/NC dry contact

Dimensions:

14 L x 11.4 H x 4.1 D cm (5.5 x 4.5 x 1.6")

Weight: 245 g (8.6 oz)

ALARM

Temperature/Relative Humidity Alarm: High/low temperature and humidity alarms, condensation alarm

Alarm Delay: Up to 2 hrs, user-selectable

Alarm Indication: Audible/visual/relay

LOGGING

Sample Rate: 1 sec to 30 min, user-selectable

Data History Storage: 2 hrs to 170 days, depending on sample rate

Memory Capacity: 8150 samples for temperature, humidity and dew point

OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.



To Order	
Model No.	Description
OM-THA2	Temperature humidity alarm
OM-THA2P	Replacement remote sensor probe
OM-61-RS232-DB9	1.8 m (6') RS232 cable with DB9F termination
OM-PL-USBS	USB to RS232 converter
OM-THA2-ADAP	Replacement 115 Vac power adaptor
OM-THA2-ADAP-220V	Replacement 220 Vac power adaptor

Comes complete with operator's manual, Windows software on CD ROM and 115 Vac power adaptor.

Ordering Example: OM-THA2, temperature humidity alarm, OM-61-RS232-DB9, RS232 cable, and OCW-1, OMEGACARESM extends standard 1-year warranty to a total of 2 years.