Temperature Humidity Alarm
With Logging Capability

NEW
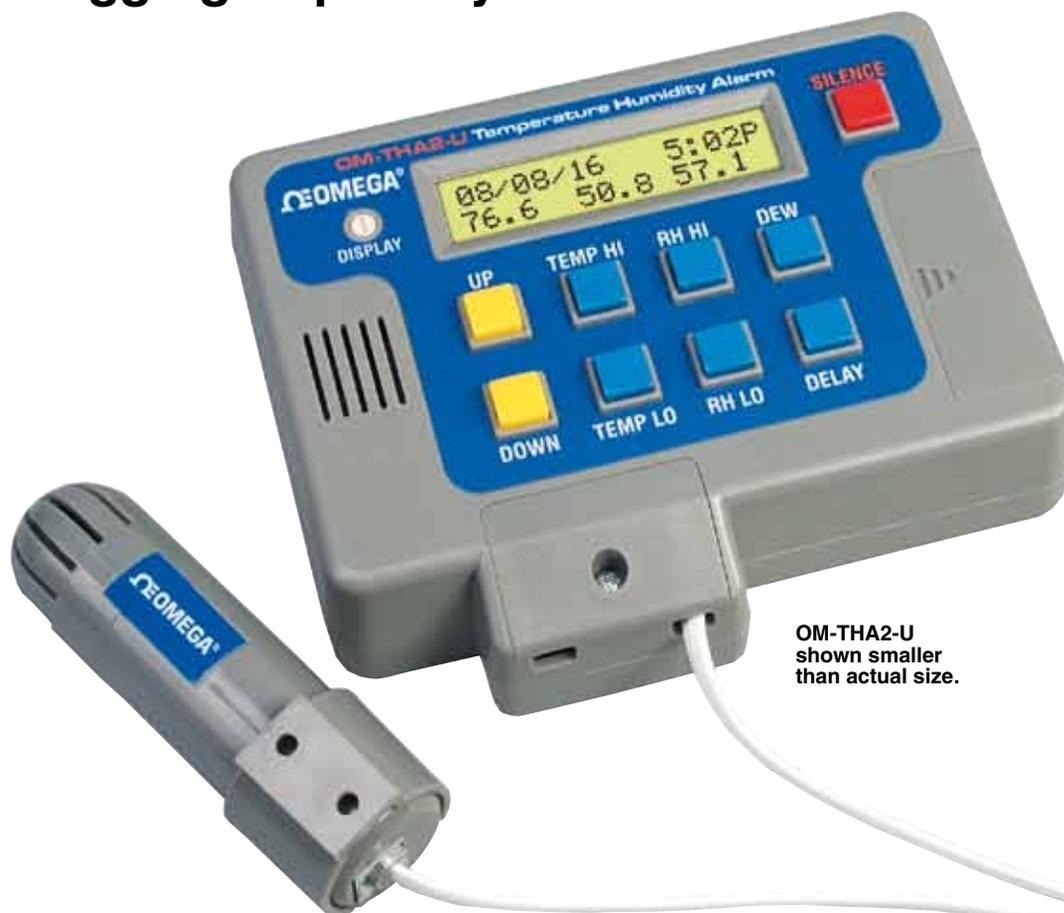
OM-THA2-U
shown smaller
than actual size.

OM-THA2-U

1 YEAR WARRANTY

NIST
Optional

✔ **Audible and Visual Alarm**
✔ **Digital Display**
✔ **Log Up to 170 Days of Data**
✔ **Relay Contacts for Remote Alarm or Auto Dialer**
✔ **Remote Sensor**
✔ **USB Connection**
✔ **Windows Software Included Free**

Applications
✔ **Supermarkets, Food Markets, Convenience Stores**
✔ **Restaurants, Florists, Greenhouses**
✔ **Laboratories, Pharmaceutical Storage Facilities**
✔ **Refrigerated Transport, Cold Chain Facilities**
✔ **Computer Rooms**

The OM-THA2-U is a multi-function unit that monitors temperature, relative humidity and dew point. The OM-THA2-U records data and generates an alarm for any out-of-range conditions. 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 data into an internal non-volatile memory at a user specified interval. The recording is performed continuously after the unit is turned on. No computer set-up 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, overwriting the oldest recorded data. Review logged data on a computer using the included Windows software while continuously recording new data.

All the operating settings of the OM-THA2-U 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.
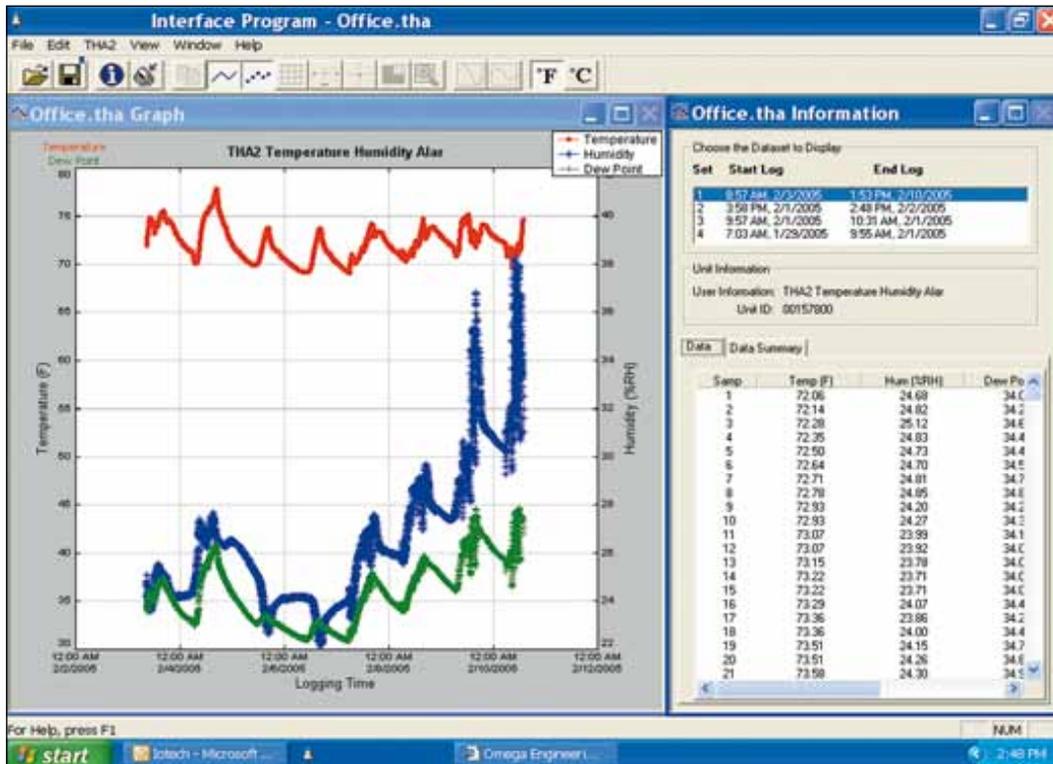
Windows software displays data in graphical or tabular format.

Specifications

SENSOR PROBE

Operating Temperature Range: -40 to 60°C (-40 to 140°F)
Operating Humidity Range: 0 to 90% RH non-condensing
Temperature Accuracy: ±1°C (±2°F)
Temperature Resolution: 0.1°C (0.1°F)
Humidity Accuracy: ±2% RH
Humidity Resolution: 0.1% RH
Calibration: User calibration for temperature and relative humidity
Dimensions: 9.65 L x 2.79 cm dia (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 90% RH, non-condensing
Power: 12 to 24 Vac/Vdc, 0.78W alarm active
Battery Backup: 9V alkaline battery for 25 hrs operation during power outage

Relay: 5A/250V NO/NC dry contact, resistive load
Dimensions: 14 L x 11.4 W x 4.1 cm dia (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
Software Compatibility: Windows XP/Vista/7/8/10 (32-bit and 64-bit)

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

To Order

Model No.	Description
OM-THA2-U	Temperature/humidity alarm
OM-THA2-U-CAL-3-HU	Temperature/humidity alarm with NIST calibration certificate
OM-THA2P	Replacement remote sensor probe
OM-THA2-ADAP	Replacement 115 Vac power adaptor
OM-THA2-ADAP-220V	Replacement 220 Vac power adaptor

Comes complete with user guide, Windows software on CD, USB interface cable and 115 Vac power adaptor.
Ordering Example: OM-THA2-U, *temperature/humidity alarm and* **OCW-1** *OMEGACARE^{SM} 1-year extended warranty for OM-THA2 (adds 1 year to standard 1-year warranty).*