

WIRELESS TRANSMITTERS AND RECEIVERS



Wireless Relative Humidity/Temperature Transmitter

UWRH-2
£111



UWRH-2, £111, wireless relative humidity temperature transmitter, shown actual size.

Visit omega.co.uk/wireless for the latest features and specifications!

- ✓ Measures Both Relative Humidity and Temperature in One Unit
- ✓ Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger
- ✓ Low Power Operation and Sleep Mode For Long Battery Life
- ✓ Transmits Relative Humidity, Ambient Temperature, Signal Strength and Battery Status in Real Time
- ✓ Works with Any UWTC Series Wireless Receivers and Transceivers

Omega's new Wireless Relative Humidity transmitter features a stand-alone, compact, battery powered design that transmits measurements back to a host receiver up to 90 m (300') away. When activated the wireless transmitter will transmit readings continuously at pre set time interval that was programmed by the user during the initial setup. Each unit measures and transmits: Relative Humidity Reading, Ambient Temperature, RF Signal Strength and Battery Condition to the receiver and is displayed on your PC screen in real time using the provided software. When used with host receiver model UWTC-REC1 data from up to 48 wireless transmitters can be received and displayed. Each unit includes free software that converts your PC into a strip chart recorder or data logger so readings can be saved and later printed or exported to a spread sheet file. When used with host

transceiver model UWTC-REC2 wireless data from one unit can be re-transmitted out of the receiver by a wired connection as an analog voltage or current signal to interface with a controller, PLC or data acquisition board.

Specifications

Temperature Range: -17 to 49°C (2 to 120°F)

Accuracy: ±1°C (±1.8°F)

Relative Humidity Range: 2 to 98% RH

Accuracy: ±2.5% RH from 20 to 80%RH; ±3.5% RH below 20 and above 80% RH @ 25°C (76°F)

Operating Environment: -10 to 70°C (14 to 158°F)

Computer Interface: USB (one interface cable included with receiver)

Transmit Sample Rate: Programmable from 1 sample/minute to 1 sample/every 5 seconds

Radio Frequency (RF) Transceiver

Carrier: ISM 2.4 GHz, direct sequence spread spectrum.

RF Output Power: 10dBm (10 mW)

Range of RF Link:

Up to 90 m (300'): outdoor line of sight
Up to 45 m (130'): indoor/urban

RF Data Packet Standard:

IEEE 802.15.4, open communication architecture

Software (Included Free): Requires, Windows® 98, ME, 2000, XP, or Vista operating system connector internal

Battery: One 3.6 V lithium, 2.4 Ah capacity (AA) (included)

Battery Life (typical): (1 year) 1 sample/minute reading rate @ 25 (77°F)

Data Transmitted to Host: Relative humidity, ambient temperature, RF transmit strength and battery condition

Dimensions: 100 L x 50 W x 25 mm H (without antenna) (4 x 2 x 1")

Weight: 70 grams (2.46 oz)

Case: ABS plastic

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
UWRH-2	£111	Wireless RH/temperature transmitter
UWTC-ANT-LR	6.70	Optional high performance antenna
UWTC-BATT	8	Replacement battery
UWTC-CABLE	3.40	Spare programming cable

Comes with one 3.6 V lithium battery, programming software, measurement and logging software, mounting bracket and complete operator's manual.

Ordering Example: UWRH-2, wireless RH/temperature transmitter, UWTC-REC1, 48-channel receiver and UWTC-BATT, spare battery, £111 + 157 + 8 = £276.

Visit omega.co.uk for more information on UWTC-REC1

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