NEW®

Wireless Relative Humidity/ Temperature Transmitter

UWRH-2-NEMA
$235

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

UWRH-2-NEMA, $235, wireless relative humidity temperature transmitter, shown actual size.

1 YEAR WARRANTY MADE IN USA & EMC SERVICES CE FC

WIRELESS INDUSTRIAL TRANSMITTER

✔ **NEMA-4X (IP65) Weather Resistant Enclosure**
✔ **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 NEMA 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 a analog voltage or current signal to interface with a controller, PLC or data acquisition board.

Specifications

Temperature Range:
-17 to 49ºC (2 to 120ºF)
Accuracy: ±1ºC (±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 3.6V lithium, 6800 mAh capacity (C) (included)
Battery Life (typical): (3 year) 1 sample/minute reading rate @ 25°C (77°F)
Data Transmitted to Host: Relative humidity, ambient temperature, RF transmit strength and battery condition
Enclosure: NEMA-4X (IP65) Polycarbonate
Dimensions: 80 L x 82 W x 50 mm H (3.15 x 3.22 x 1.97")

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
UWRH-2-NEMA	$235	Wireless RH/temperature transmitter
UWTC-BATT-C	20	Replacement battery
UWTC-CABLE	5	Spare programing cable

Comes complete with one 3.6V lithium battery, programming software, measurement and logging software, mounting bracket and operator's manual.
Ordering Example: UWRH-2-Nema, *wireless RH/temperature transmitter,* ***UWTC-REC1,*** *48-channel receiver and* ***UWTC-BATT-C****, spare battery, $235 + 225 + 25 =* ***$485****.*
Visit ***omega.com/wireless*** *for more information on* ***UWTC-REC1***

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• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ehernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters