

# Wireless Connector/ Transmitter Receivers

## Monitor Up to 48 Temperature, pH, Process or Humidity Signals



### UWTC-REC Series



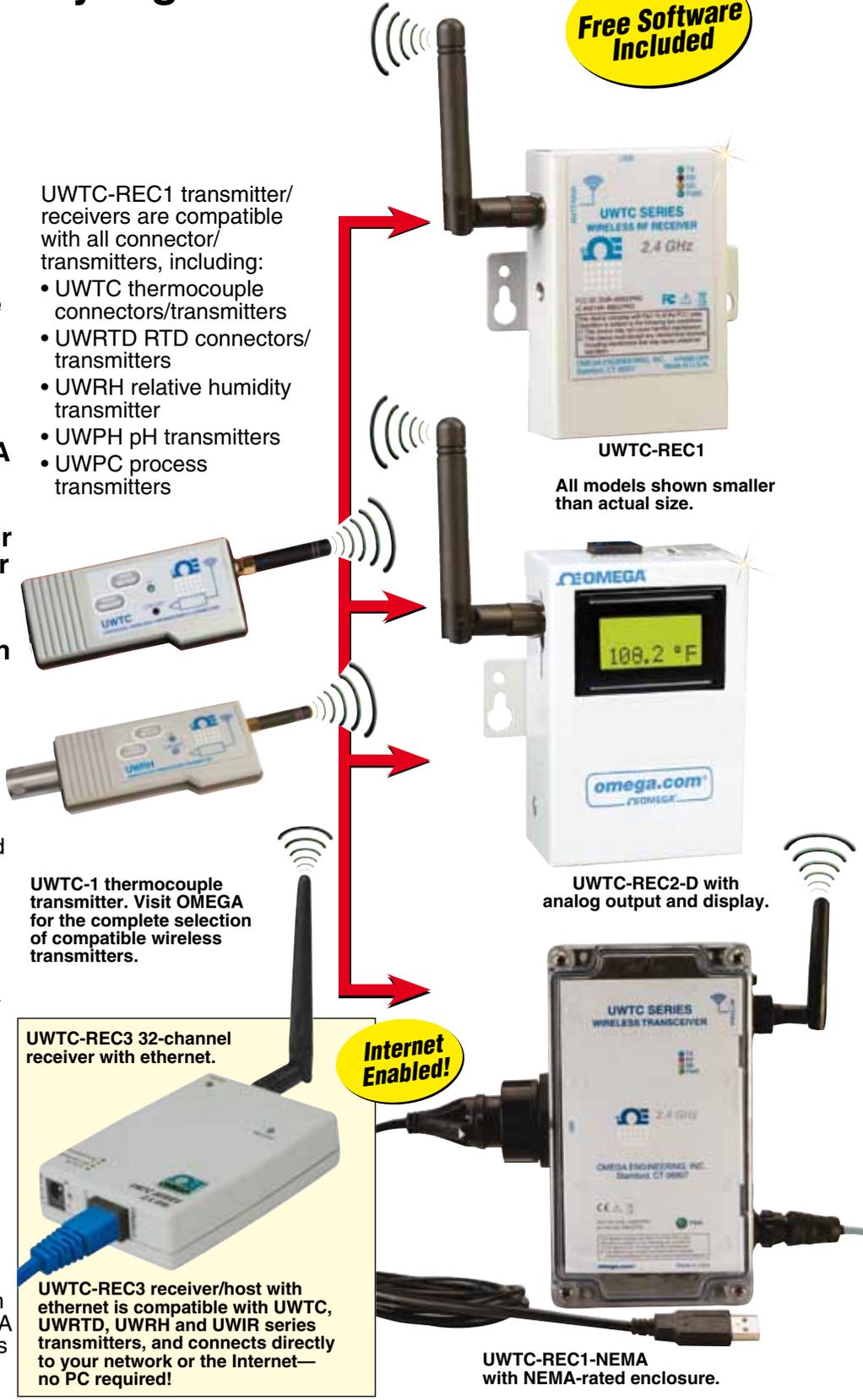
- Receive Signals from UWTC, UWRTD, UWRH, UWPH and UWPC Transmitters
- Analog Output Available
- USB Interface for Fast Installation—Cable Included!
- Digital Display Available
- Weather Resistant NEMA Enclosure Available
- TC Central Software Included—Converts Your PC into a Chart Recorder or Data Logger
- Display and Log Data, Ambient, Signal Strength and Battery Status in Real Time

UWTC-REC1 transmitter/receivers are compatible with all connector/transmitters, including:

- UWTC thermocouple connectors/transmitters
- UWRTD RTD connectors/transmitters
- UWRH relative humidity transmitter
- UWPH pH transmitters
- UWPC process transmitters

The OMEGA® wireless connector/transmitter receivers are compact devices that receive the transmitted signals from UWTC Series transmitters, and display/log/graph the data on your PC. TC Central software, included with each unit, displays the measured and ambient temperatures, along with RF signal strength and battery condition. The TC central software can turn your PC into a recorder or data logger so readings can be saved and later printed or exported to a spreadsheet file.

The UWTC-REC1 is a 48-channel receiver with USB connection; the UWTC-REC2 adds an analog output that can be used to retransmit a 0 to 5 Vdc, 0 to 10 Vdc, type K thermocouple or 4 to 20 mA signal to a remote meter, controller, PLC or data acquisition instrument. Both are available with an optional NEMA rated enclosure; UWTC-REC2 units are also available with an optional digital display.



**Free Software Included**

**UWTC-REC1**

All models shown smaller than actual size.

**UWTC-REC2-D with analog output and display.**

**UWTC-1 thermocouple transmitter. Visit OMEGA for the complete selection of compatible wireless transmitters.**

**UWTC-REC3 32-channel receiver with ethernet.**

**Internet Enabled!**

**UWTC-REC3 receiver/host with ethernet is compatible with UWTC, UWRTD, UWRH and UWIR series transmitters, and connects directly to your network or the Internet—no PC required!**

**UWTC-REC1-NEMA with NEMA-rated enclosure.**

**Combine One of These Wireless Receivers with Multiple Wireless Connectors or Wireless Probe Assemblies to Form a Complete Wireless Measurement System!**



**Data Logging and Recording Software Included**

**TC Central Software**

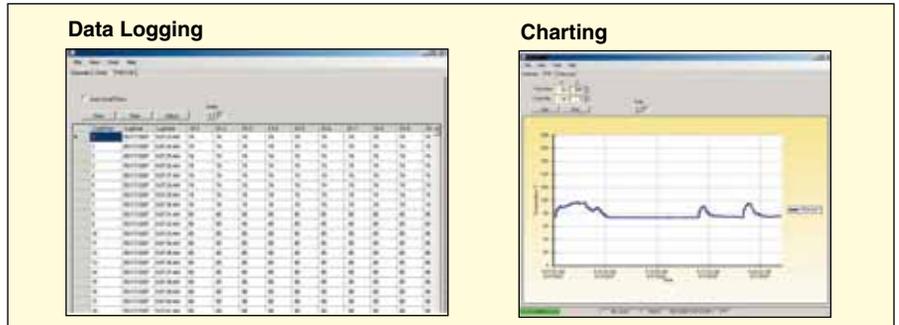
- ✓ Display, Log and Chart Data from up to 48 Wireless Instruments
- ✓ Easy Setup and Operation
- ✓ High/Low Alarms
- ✓ Programmable Engineering Units
- ✓ Transmission, Signal Strength and Battery Power Indicators
- ✓ Data Export to CSV File, Chart Export to Clipboard
- ✓ Included with UW and MWTC Wireless Instruments

Compatible with 32-bit Windows (2000, XP, Vista or 7) OS  
 Latest software version available for free download at [ftp.omega.com](http://ftp.omega.com)



UWTC-REC2 models are available with 4 to 20 mA, 0 to 5 Vdc, 0 to 10 Vdc or Type K thermocouple output. Mating connector and cable included.

Laptop not included.



**SPECIFICATIONS**

**Power:** USB-powered device; receives power from host; UWTC-REC2 units also require dc power supply for analog output (AC adaptor included)  
**Operating Environment:** -10 to 70°C (14 to 158°F)

**Radio Frequency (RF) Transceiver**

**Carrier:** ISM 2.4 GHz, direct sequence spread spectrum  
**RF Data Packet Standard:** IEEE 802.15.4, open communication architecture  
**Software (Included):** Requires Windows® OS  
**CE Compliance:** Standard

*Note: Because of transmission frequency regulations, the UWTC-REC1 may only be used in the United States, Canada, Europe, South Korea and Brazil. The UWTC-REC2 may only be used in the United States, Canada, Europe, China, South Korea, Singapore, Brazil and Mexico. For purchase of model UWTC-REC2 exclusively in Japan, please order model UWTC-REC2J.*

To Order	
Model No.	Description
UWTC-REC1	USB powered 48-channel transmitter receiver
UWTC-REC1-NEMA	USB powered 48-channel transmitter receiver with NEMA enclosure
UWTC-REC2-(*)	48-channel transmitter receiver with analog output
UWTC-REC2-D-(*)	48-channel transmitter receiver with analog output and digital display
UWTC-REC2-(*)-NEMA	48-channel transmitter receiver with analog output, NEMA enclosure
UWTC-REC2-D-(*)-NEMA	48-channel transmitter receiver with analog output and digital display, NEMA enclosure (TC version is no longer available)
UWTC-CABLE	Additional USB programming/communication cable

Comes complete with measurement/data logging software, USB cable, and operator's manual. UWTC-REC2 units also include AC power adaptor.

\* Specify analog output signal: "V1" for 0 to 5 Vdc; "V2" for 0 to 10 Vdc, "TC" for Type K thermocouple, or "MA" for 4 to 20 mA.

**Ordering Examples:** UWTC-REC1, USB powered 48-channel transmitter receiver.

UWTC-REC2-D-V1-NEMA, 48-channel transmitter receiver with analog output and digital display, NEMA enclosure.