WIRELESS TRANSMITTERS AND RECEIVERS

NEW®

Thermocouple-to-Wireless Connector/Converter
The Smart Connector™

Plug your probe into a smart connector to make a smart sensor!

PATENTED
Covered by U.S. and International patents and pending applications

Engineers' Choice Award Winner!

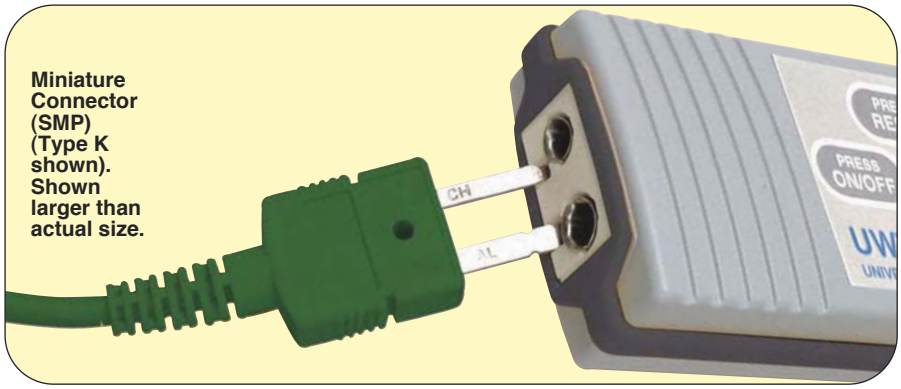
Models, replacement batteries and accessories listed on page 9

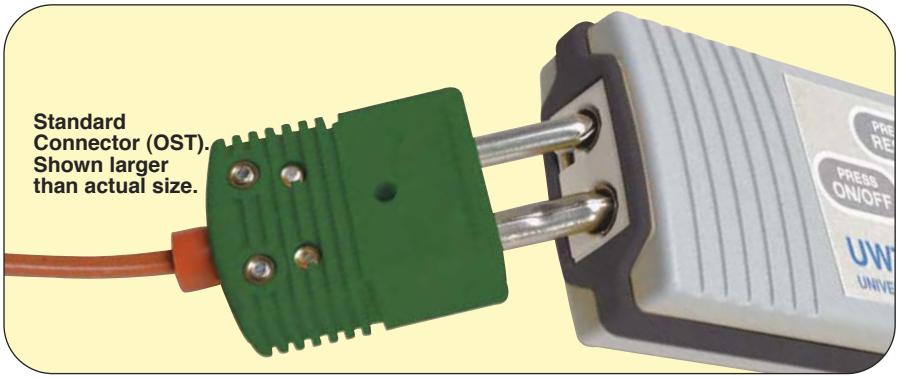
UWTC Series Starts at
£84

1 YEAR WARRANTY

- **User Configurable For Type J, K, T, E, R, S, B, C, and N Thermocouple Input**
- **Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger**
- **Built-In Cold Junction Compensation and Linearisation**
- **Patented Design Accepts Both Miniature and Standard Size Probes and Connectors**
- **One Receiver Works with up to 48 Wireless Remote Connectors**
- **Low Power Operation and Sleep Mode For Long Battery Life**
- **Each Wireless Connector Transmits Thermocouple Temperature, Ambient Temperature, Signal Strength and Battery Status in Real Time**
- **Interfaces with Model UWTC-REC1 For Multi-Channel PC Chart Recording and Data Logging or Model UWTC-REC2 (Single Channel Industrial Transceiver with Analogue Output and Alarm)**
- **Works with Every Omega UWTC Series Receiver, WiSeries Meter/Controller/Scanner and DIN Rail Receiver**

Omega's new Wireless Smart Thermocouple Connector Series features stand-alone, compact, battery powered thermocouple connectors that transmit their readings back to a host receiver up to 90 m (300') away. Each unit can be programmed in the field to work as a Type J, K, T, E, R, S, B, C or N calibration connector. When activated the connector will transmit readings continuously at pre set time interval that was programmed by the user during the initial setup. Each unit measures and transmits: Thermocouple Input Reading, Connector Ambient Temperature, RF Signal Strength and Battery Condition to the host and is displayed on the PC screen in real time using the provided software. When used with host receiver model UWTC-REC1 data from up to 48 wireless thermocouple connectors 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 connector can be re-transmitted out of the receiver by a wired connection as a analog voltage, current or thermocouple signal to interface with a controller, PLC or data acquisition board.





NEW™

The UWTC's patented design accepts both miniature and standard connectors or probes.

PATENTED

Universal Connector. Shown larger than actual size.

Specifications

Thermocouple (TC) Input

Software Selectable: J, K, T, E, R, S, B, C or N

Thermocouple Measurement Range:
- **J:** -210 to 760°C
- **K:** -270 to 1370°C
- **T:** -270 to 400°C
- **E:** -270 to 980°C
- **R:** -50 to 1760°C
- **S:** -50 to 1760°C
- **B:** 500 to 1820°C
- **C:** -18 to 2310°C
- **N:** -270 to 1300°C

TC Measurement Accuracy:
- **Type J, K, T, E, N:** ±0.5°C of reading
- **Type R, S, B, C:** ±2.0°C of reading

TC Measurement Resolution:
- **Type J, K, T, E, N:** 0.1°C
- **Type R, S, B, C:** 0.5°C

Cold Junction Compensation (Automatic): -10 to 70°C

Thermocouple Connection: Patented universal female accepts both standard male (OSTW Series) or miniature male (SMPW Series) mating connector

Operating Environment: -10 to 70°C

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

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

Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

Radio Frequency (RF) Transceiver Carrier: ISM 2.4 GHz, direct sequence spread spectrum, license free worldwide (2.450 to 2.490 GHz -12 channels)

RF Output Power:
- **UWTC-1:** 0dBm (1 mW)
- **UWTC-2:** 10dBm (10 mW)

Range of RF Link:
- **UWTC-1:** Up to 60 m outdoor line of sight. Up to 20 m indoor/urban.
- **UWTC-2:** Up to 120 m outdoor line of sight. Up to 45 m indoor/urban.

Each Connector Includes
- ✔ **One 3.6 V Lithium Battery**
- ✔ **Programming Software**
- ✔ **Measurement and Logging Software**
- ✔ **Mounting Bracket**
- ✔ **User Manual**
- ✔ **Type K Thermocouple**

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)

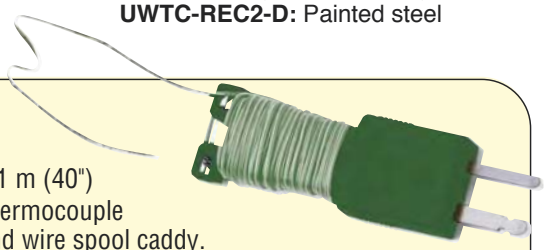
Battery Life (Typical):
UWTC-1 and UWTC-2: 1.5 years at 1 sample/minute rate and 25°C.
UWTC-NB9 and UWTC-2-NEMA: 3 years at 1 sample/minute rate and 25°C.

Data Transmitted to Host: Thermocouple Reading, Connector Ambient Reading, RF Transmit Strength and Battery Condition

Dimensions: 100 L x 50 W x 25 mm H (without antenna)

Weight:
- **UWTC-1, UWTC-2:** 70 grams
- **UWTC-REC1, UWTC-REC2, UWTC-REC2-D:** 206 grams

Case:
- **UWTC-1, UWTC-2:** ABS plastic
- **UWTC-REC1, UWTC-REC2, UWTC-REC2-D:** Painted steel



Free Thermocouple Included!

Each connector includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy.

Order a Spare!

Model No. SC-GG-KI-30-1M, £10 (subminiature connector).

Model No. LSC-GG-KI-24-1M, £10 (standard connector).

NEW™ FOR Pt100 Inputs, RTD-to-Wireless Connector/Converter

The Smart Connector™

4 Receivers available! Details on following pages.

TA4F, £6.70,
mating connector.

UWRTD-2, £90,
shown larger than actual size.

UWRTD Series Starts at £84

1 YEAR WARRANTY & EMC SERVICES

- **Interfaces Directly With Any 3-wire, 100Ω , 0.00385 or 0.00392 Curve RTD Sensor**
- **Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger**
- **Interface up to 48 Different Wireless Connectors With One Receiver**
- **Low Power Operation and Sleep Mode Allows for Long Battery Life**
- **Each Wireless Connector Transmits Process Temperature, Ambient Temperature, Signal Strength and Battery Status in Real Time**
- **Works with Every Omega UWTC Series Receiver, WiSeries Meter/Controller/ Scanner and DIN Rail Receiver**

Omega's new wireless RTD connector Series features stand-alone, compact, battery powered RTD connectors that transmit their readings back to a host receiver up to 120 m away. Each unit can be programmed in the field to interface directly with 3-wire 100 Ω , 0.00385 or 0.00392 style sensors. When activated the connector will transmit readings continuously at pre set time interval that was programmed by the user during the initial setup. Each unit measures and transmits: RTD input reading, connector ambient temperature, RF signal strength and battery condition to the host and is displayed on the PC screen in real time using the provided software.

Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

PATENTED

Covered by U.S. and International patents and pending applications

Specifications

Available Types: PT100 Ω (standard), PT500 Ω, PT1000 Ω (special Order)

RTD Measurement Range:
0.00385: -200 to 850°C
0.00392: -100 to 457°C

RTD Measurement Accuracy: ±0.5°C from 0 to 400°C, ±2.5°C below 0°C or above 400°C

RTD Measurement Resolution: 1°C/1°F

Operating Environment: -10 to 70°C

RTD Connection: Series "T" receptacle. Use Model TA4F mating connector (one included)

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, license free worldwide (2.450 to 2.490 GHz -12 channels)

RF Output Power:
UWRTD-1: 0dBm (1 mW)
UWRTD-2: 10dBm (10 mW)

Range of RF Link:
UWRTD-1: Up to 60 m outdoor line of sight. (Up to 20 m indoor/urban.)
UWRTD-2: Up to 120 m outdoor line of sight. Up to 40 m 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

Plug your probe into a Smart Connector to make a smart sensor!

Standard TB4M receptacle includes, TA4F mating connector shown below.

Order a spare mating connector, TA4F, £6.70.

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

Battery Life (Typical): (1 year) 1 sample/minute reading rate @ 25°C

Data Transmitted to Host: RTD reading, connector ambient reading, RF transmit strengthand battery condition

Dimensions: 100 L x 50 W x 25 mm H (without antenna)

Wireless Thermocouple and RTD Industrial Probe Assemblies

UWTC-NB9 Series
Starts at
£131

1 YEAR WARRANTY & EMC SERVICES

- **Available As Thermocouple or RTD Models**
- **Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger**
- **Complete Industrial Assembly Includes: Probe, NB9 Head with Built-In Wireless Transmitter Board and Long Life Battery**
- **Works with Every Omega UWTC Series Receiver, WiSeries Meter/Controller/ Scanner and DIN Rail Receive**

Omega's new Wireless Industrial Thermocouple and RTD Probe Assemblies feature a complete, ready to install, pre-wired sensor and wireless transmitter package. Each battery powered wireless unit will transmit measurement back to a host receiver up to 120 m away. Each unit comes pre-programmed to operate as a Type J, K, T, E, *R, *S, *B, *C or N thermocouple or RTD. When activated the unit will transmit readings continuously at pre-set time intervals programmed by the user during the initial setup and installation. Each unit measures and transmits: process temperature, ambient temperature, wireless link signal strength and battery condition to the host and is displayed on the PC screen in real time using the provided free software.

Specifications
Thermocouple (TC) Models

Available Types: J, K, T, E, *R, *S, *B, *C or N

Thermocouple Measurement Range:
J: -210 to 760°C
K: -270 to 1370°C
T: -270 to 400°C
E: -270 to 980°C
* **R:** -50 to 1760°C
* **S:** -50 to 1760°C
* **B:** 500 to 1820°C
* **C:** -18 to 2310°C
N: -270 to 1300°C

Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

TC Measurement Accuracy:
±0.5°C of Reading:
Type J, K, T, E and N
±2.0°C of Reading:
Type R, S, B and C

TC Measurement Resolution:
1°C/1°F: Type J, K, T, E, N,
0.5°C: Type R, S, B, C

Cold Junction Compensation (Automatic): -10 to 70°C resistive temperature device (RTD) models

RTD Models Available Types:
PT100Ω (standard), PT500Ω. PT1000Ω (special order, contact sales)

RTD Measurement Range:
0.00385: -200 to 850°C
0.00392: -100 to 457°C

RTD Measurement Accuracy:
±0.5°C from 0 to 400°C, ±2.5°C below 0°C or above 400°C

RTD Measurement Resolution:
1°C/1°F

Operating Environment: -10 to 70°C

Computer Interface: USB

Transmit Sample Rate:
Programmable from 1 sample/minute to 1sample/second radio frequency (RF) transceiver

Carrier: ISM 2.4 GHz, direct sequence spread spectrum, license free worldwide (2.450 to 2.490 GHz -12 channels)

RF Output Power: 10dBm (10 mW)

Range of RF Link: Up to 120 m outdoor line of sight [up to 40 m indoor/urban]

RF Data Packet Standard: IEEE 802.15.4, open communication architecture

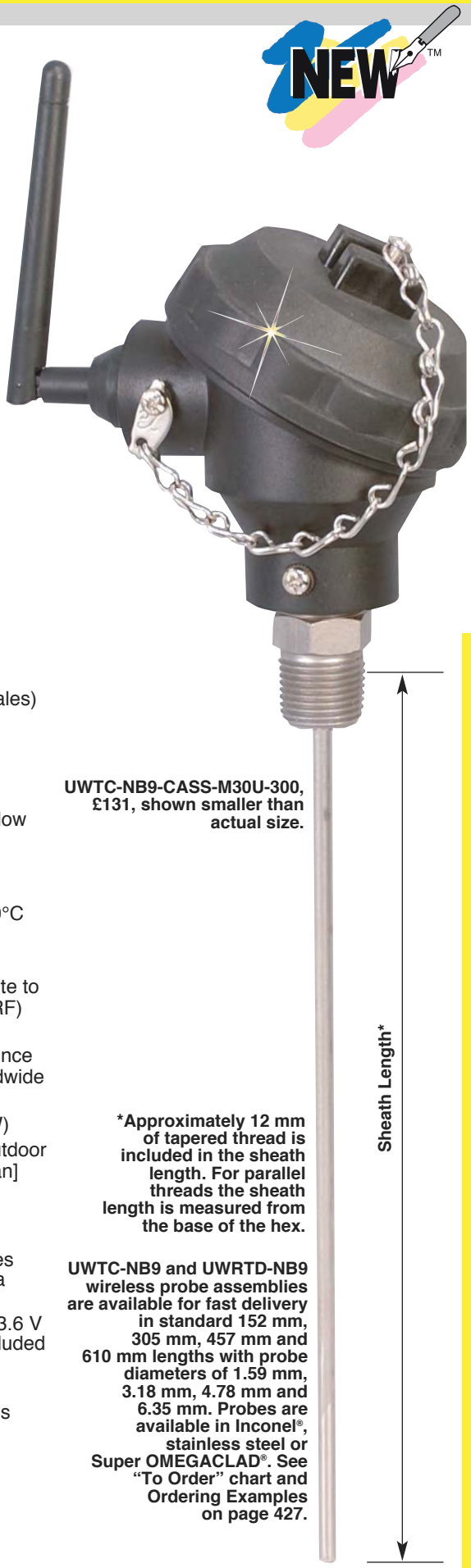
Software (Included Free): Requires Windows 98, ME, 2000, XP or Vista operating system

Connector Internal Battery: One 3.6 V lithium, 8.5 Ah capacity (C) one included

Battery Life (Typical): 3 years
1 minute reading rate @ 25°C

Data Transmitted to Host: Process temperature, ambient temperature, wireless link signal strength and battery condition

**Please consult sales for R, S, B and C thermocouples.*



UWTC-NB9-CASS-M30U-300, £131, shown smaller than actual size.

***Approximately 12 mm of tapered thread is included in the sheath length. For parallel threads the sheath length is measured from the base of the hex.**

UWTC-NB9 and UWRTD-NB9 wireless probe assemblies are available for fast delivery in standard 152 mm, 305 mm, 457 mm and 610 mm lengths with probe diameters of 1.59 mm, 3.18 mm, 4.78 mm and 6.35 mm. Probes are available in Inconel®, stainless steel or Super OMEGACLAD®. See "To Order" chart and Ordering Examples on page 427.

NEW™ Weather Resistant Wireless Thermocouple and RTD Transmitters

UWTC-2-NEMA
Starts at
£111

1 YEAR WARRANTY

- **Available in Thermocouple or RTD Models**
- **IP66 Weather Resistant Enclosure**
- **Up to 3 Years Battery Life**
- **Works with Every Omega UWTC Series Receiver, WiSeries Meter/Controller/ Scanner and DIN Rail Receiver**

UWTC-2-NEMA, £111, shown smaller than, actual size.

Each IP66 rated unit can be programmed in the field to work as a type J, K, T, E, R, S, B, C or N wireless thermocouple transmitter or a wireless RTD transmitter. When connected to a sensor and activated the unit will transmit readings continuously at pre-set time interval that was programmed by the user during the initial setup. Each unit measures and transmits: process temperature, ambient temperature, RF signal strength and battery condition to the host and is displayed on a PC screen in real time using the provided software. Both models will interface and operate with any Omega UWTC Series receiver.

Specifications

Thermocouple (TC) Input

Available Types: J, K, T, E, R, S, B, C or N

Thermocouple Measurement Range:

J: -210 to 760°C
K: -270 to 1370°C
T: -270 to 400°C
E: -270 to 980°C
R: -50 to 1760°C
S: -50 to 1760°C
B: 500 to 1820°C
C: -18 to 2310°C
N: -270 to 1300°C

TC Measurement Accuracy:
Type J, K, T, E, N:
±0.5°C of reading
Type R, S, B, C:
±2.0°C of reading

TC Measurement Resolution:
Type J, K, T, E, N: 0.1°C
Type R, S, B, C: 0.5°C

Cold Junction Compensation (Automatic): -10 to 70°C

Thermocouple Connection: Internal terminal block

RTD Input

Available Types: 100Ω (standard) 500Ω,1000Ω, (Special order)

RTD Measurement Range:
0.00385: -200 to 600°C
0.00392: -100 to 457°C

RTD Measurement Accuracy: ±0.5°C

RTD Measurement Resolution: 1°C/1°F

RTD Connection: Internal terminal block

Common Specifications

Operating Environment: -10 to 70°C

Computer Interface: USB

Transmit Sample Rate: Programmable from 1 sample/minute to 1 sample/every 2 seconds radio frequency (RF) transceiver

Carrier: ISM 2.4 GHz, direct sequence spread spectrum, license free worldwide (2.450 to 2.490 GHz -12 channels)

RF Output Power: 10dBm (10 mW)

Range of RF Link: Up to 120 m outdoor line of sight. Up to 40 m indoor/urban.

RF Data Packet Standard: IEEE 802.15.4, open communication architecture

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

Power: One 3.6 V, Lithium C Cell (included).

Battery Life (Typical): (3 years) 1 sample/minute reading rate @ 25°C

Enclosure: IP66 (Nema-4x) Polycarbonate

Dimensions: 80 L x 82 W x 50 mm H

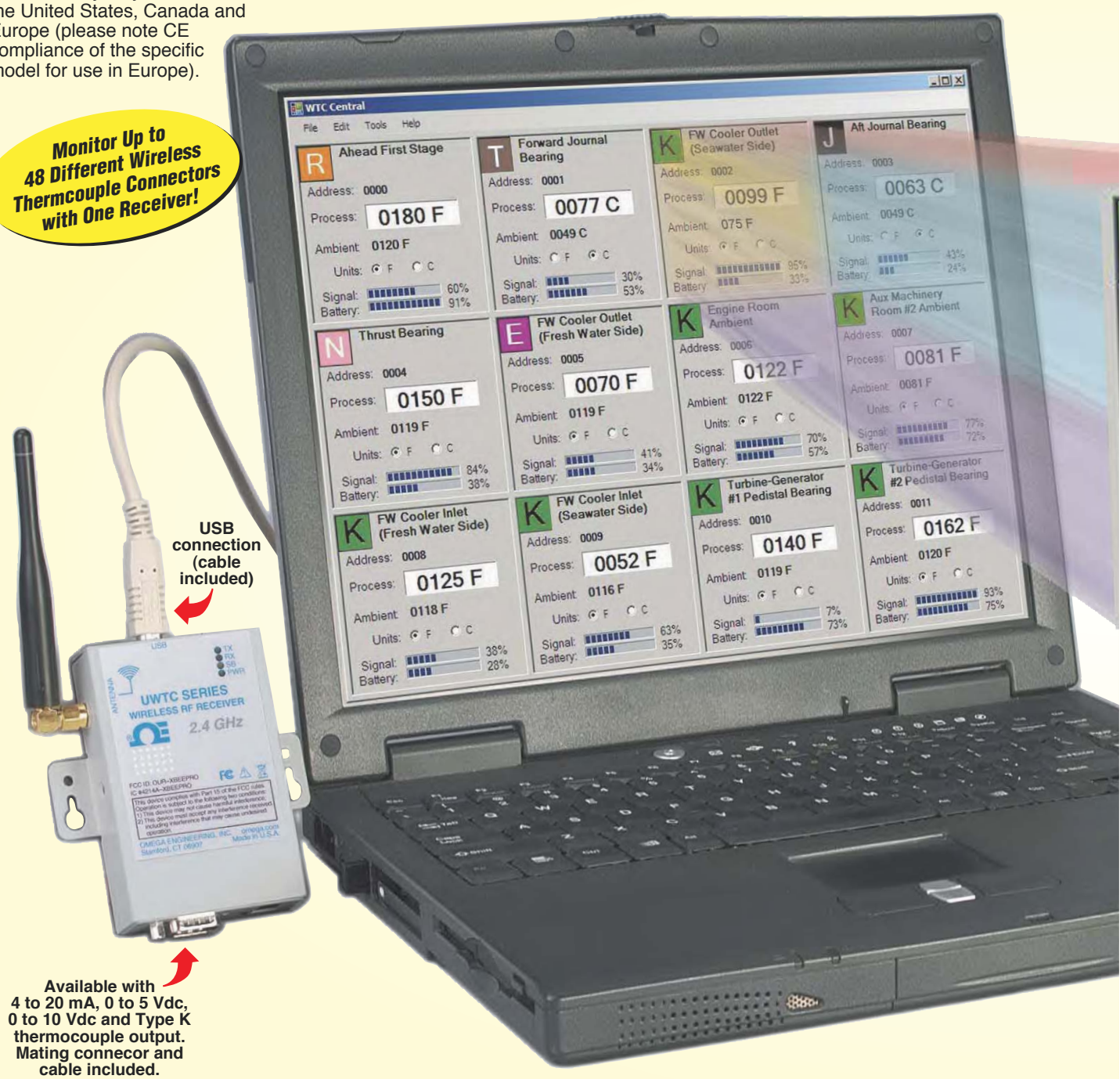
Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

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

Wireless USB Receivers

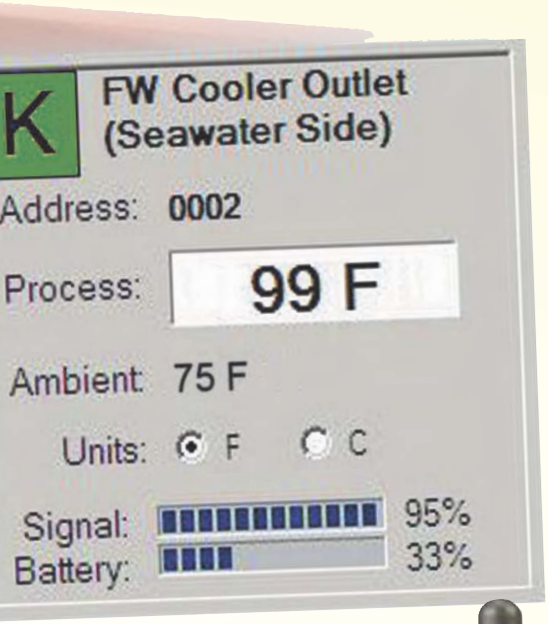
Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

Monitor Up to 48 Different Wireless Thermcouple Connectors with One Receiver!



NEW™

Free Strip Chart and Data Logging PC Software!



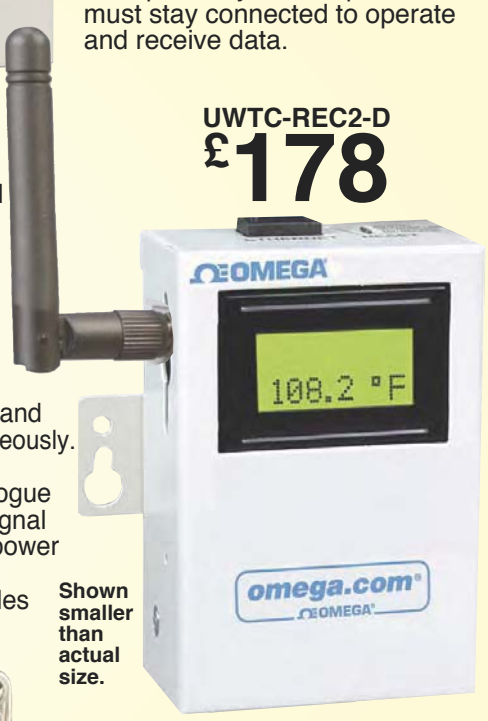
Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

Shown smaller than actual size.

UWTC-REC1
£151

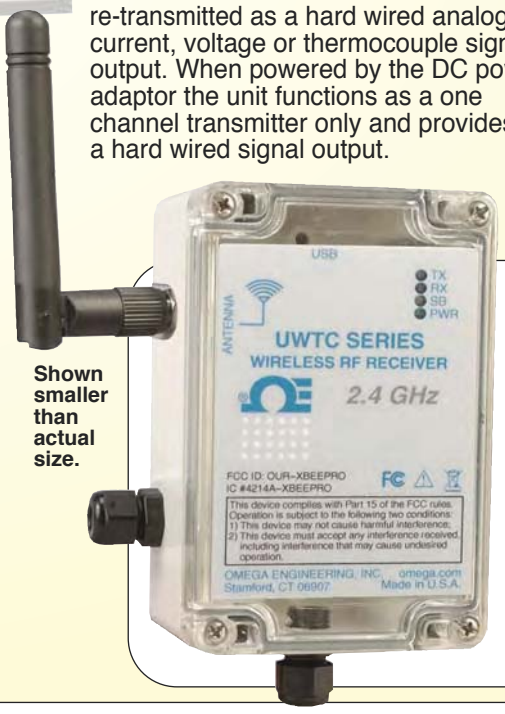
UWTC-REC1 Standard 48-Channel Receiver, £151
(USB Powered Only)
With the model UWTC-REC1 data from up to 48 wireless connectors or wireless probe assemblies can be received and displayed on your PC simultaneously. This receiver connects to an unused USB port on your computer and must stay connected to operate and receive data.

UWTC-REC2-D
£178



Shown smaller than actual size.

UWTC-REC2 Standard 48-Channel Receiver with 1-Channel Analogue Output and Optional Local Display, £178
(USB or External DC Adaptor Powered)
When powered by a USB port on your computer model UWTC-REC2 data from up to 48 wireless connectors or wireless probe assemblies can be received and displayed on your computer simultaneously. Data from one channel can also be re-transmitted as a hard wired analogue current, voltage or thermocouple signal output. When powered by the DC power adaptor the unit functions as a one channel transmitter only and provides a hard wired signal output.



Shown smaller than actual size.

Starts at
£218

Wireless Receivers with IP66 Rated Enclosures

UWTC-REC1-NEMA, £218,
basic 48-channel receiver.

UWTC-REC2-NEMA, £224,
48-channel receiver with 1-channel analogue output.

UWTC-REC2-D-NEMA, £245,
48-channel receiver with 1-channel analogue output and LCD display.

WIRELESS TRANSMITTERS AND RECEIVERS

Wireless Receiver for Web-Based Monitoring of Temperature

UWTC-REC3
Starts at
£157

1 YEAR WARRANTY & EMC SERVICES

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

- **Receiver Connects Directly to an Ethernet or the Internet**
- **Does Not Require a Host Computer**
- **Serves Active Web Pages to Display Real Time Temperature Readings and Charts**
- **Works with up to 32 UWTC or UWRTD Series Wireless Connectors or Probe Assemblies**
- **Alarm Notification can be Sent to E-mail, Including Text Messages to Internet Enabled Cell Phones and PDAs**

UWTC-REC3 £157, shown smaller than actual size. Includes DC power adaptor, ethernet cable and operator's manual.

The OMEGA® UWTC-REC3 receiver lets you monitor and record temperature over an Ethernet network or the Internet without any special software-just your web browser. The receiver is an independent node on the network sending and receiving data in standard TCP/IP packets. It is easily configured from a web browser and can be password protected. The UWTC-REC3 can trigger an alarm if variables go above or below a set-point that you can determine. Your alarm can be sent by e-mail to a single user or to a group distribution list, including text messages to Internet enable cell phones and PDA's. The OMEGA "Mail Notifier" software is a free and easy-to-use program for this application.

The UWTC-REC3 receiver serves active web pages to display real time temperature readings and charts. You can also log data in standard data formats for use in a spreadsheet or data acquisition program such as Excel or Visual Basic. OMEGA offers a free, user-friendly program for logging data to Excel.

OMEGA offers an OPC Server software that makes it easy to intergrate the UWTC-REC3 wireless receiver with many popular data acquisition and Automation programs.

Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

Specifications

Ethernet: 10Base-T (RJ45)
Supported Protocols: TCP/IP, ARP, ICMP, DHCP, DNS, HTTP, and Telnet
LED Indicators: Network Activity, Network Link, Diagnostics, Receive and Power
Management: Device configuration and monitoring through embedded WEB server
Embedded WEB Server: Serves WEB pages (JAVA™ Applets) containing real-time data and live updated charts within definable time intervals

Power

Power Input: 9 to 12 Vdc
Consumption: 2.5 W maxc
ac Power Adaptor (Included) Nominal Output:
9 Vdc @ 0.5 A
Input: 100 to 240 Vac, 50/60 Hz

Wireless Communication

Protocol: IEEE 802.15.4
Frequency: 2.4 GHz, channel #12
Network Topology: Star topology
Range: Up to 91 m (300') without obstructions or interference environment
Operating Temperature: -18 to 55°C (-0.4 to 131°F), 90% RH non-condensing
Storage Temperature: -40 to 125°C (-40 to 257°F)

General

Agency Approval: FCC, EN300328
Software: Field firmware upgradeable; including an excel program for automatic data logging within definable time intervals, compatible with all Windows® operating systems

Wireless DIN rail receiver, wiDR33-U, £265, shown smaller than actual size.

wi Series

AVAILABLE NOW

A wireless panel meter/ controller/scanner and wireless DIN rail receivers that work with all UWTC, UWRTD Series wireless connectors and wireless industrial probe assemblies are available now.

A wireless panel meter/controller/ scanner, wi833-U, £265, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*		
Model No.	**Price**	**Description**
UWTC-1	**£84.00**	Wireless thermocouple connector (standard distance)*
UWTC-2	**90.00**	Wireless thermocouple connector (extended distance)*
UWTC-2-NEMA	**111.00**	Wireless thermocouple connector (extended distance, IP66 enclosure)
UWRTD-1	**90.00**	Wireless RTD connector (standard distance)
UWRTD-2	**97.00**	Wireless RTD connector (extended distance)
UWRTD-2-NEMA	**117.00**	Wireless RTD connector (extended distance, IP66 enclosure)
UWTC-NB9-(*)-(**)U-150	**131.00**	Wireless thermocouple probe assembly (150 mm ungrounded probe)
UWTC-NB9-(*)-(**)U-300	**131.00**	Wireless thermocouple probe assembly (300 mm ungrounded probe)
UWTC-NB9-(*)-(**)U-450	**137.00**	Wireless thermocouple probe assembly (450 mm ungrounded probe)
UWTC-NB9-(*)-(**)U-600	**137.00**	Wireless thermocouple probe assembly (600 mm ungrounded probe)
UWRTD-NB9-(†)-(††)-300	**131.00**	Wireless RTD probe assembly (300 mm probe)
UWRTD-NB9-(†)-(††)-600	**137.00**	Wireless RTD probe assembly (600 mm probe)
UWTC-REC1	**151.00**	48-channel receiver (USB powered)
UWRH-2	**111.00**	Wireless RH/temperture transmitter
UWTC-REC1-NEMA	**218.00**	48-channel wireless receiver (USB powered) IP66 enclosure
UWTC-REC2-(‡)	**157.00**	48-channel wireless receiver with 1 channel analogue output
UWTC-REC2-D-(‡)	**178.00**	48-channel wireless receiver with 1 channel analogue output and LCD display
UWTC-REC2-(‡)-NEMA	**224.00**	48-channel wireless receiver with 1 channel analogue output, IP66 enclosure
UWTC-REC2-D-(‡)-NEMA	**245.00**	48-channel wireless receiver with 1 channel analogue output and LCD display, IP66 enclosure
UWTC-REC3	**157.00**	32-channel receiver/host with ethernet
UWTC-ANT-LR	**6.70**	Optional high performance antenna
UWTC-BATT	**8.00**	Replacement battery for UWTC-1, UWRTD-1
UWTC-BATT-HP	**13.50**	Replacement battery for UWTC-2, UWRTD-2, UWRH-2
UWTC-BATT-C	**13.50**	Replacement battery for UWTC-NB9, UWRTD-NB9, UWTC-2-NEMA, UWRTD-2-NEMA
UWTC-CABLE	**3.40**	Spare programing cable (one included with receivers)

***For UWTC-REC2 Models:** ‡ Insert **"V1"** for 0 to 5 Vdc, **"V2"** for 0 to 10 Vdc, **"TC"** for Type K thermocouple, or **"MA"** for 4 to 20 mA Comes with one 3.6V lithium battery, programming software, measurement and logging software, mounting bracket, Type K beaded wire thermocouple, and user manual.*

***For UWTC-NB9 Models:** * Insert **"ICIN"** for Type J with a inconel® sheath, or **"ICSS"** for Type J with a 304 SS sheath. Insert **"CAIN"** for Type K with a inconel® sheath, or **"CASS"** for Type K with a 304 SS sheath. Call for Type K with OmegacladXL® sheath. Insert **"CXIN"** for Type E with a inconel® sheath, or **"CXSS"** for Type E with a 304 SS sheath. Insert **"CPIN"** for Type T with a inconel® sheath, or **"CPSS"** for type T with a 304 SS sheath. Insert **"NNIN"** for Type N with a inconel® sheath, (not available in SS). Contact engineering for price, availability and ordering information for R, S, B, and C thermocouples.*

*** For sheath diameter insert **"M15"** for 1.5 mm, **"M30"** for 3 mm, **"M45"** for 4.5 mm, **"M60"** for 6 mm.*

***For UWRTD-NB9 Models:** † Insert **"1PT304"** for 100 Ω, 0.00385 curve with a 304 SS sheath, or **"1PT316"** for 100 Ω, 0.00385 curve with a 316 SS sheath. Insert **"2PT304"** for 100 Ω, 0.00392 curve with a 304 SS sheath, or**"2PT316"** for 100 Ω, 0.00392 curve with a 316 SS sheath.*

*†† For sheath diameter insert **"M15"** for 1.5 mm, **"M30"** for 3 mm, **"M45"** for 4.5 mm, **"M60"** for 6 mm.*

***For NB9 Style Probes:** Standard process connection thread is ½" BSPT (R½); for G½ parallel thread add suffix **"-G2"** to model number; for G¼ add suffix **"-G4"**, no additional charge,*

Ordering Examples: UWTC-1,** wireless thermocouple connector/transmitter, **UWTC-REC2-MA,** 12-channel transceiver/host with 1-channel 4 to 20 mA analogue output and alarm, and **UWTC-BATT,** spare battery, £84 + 157 + 8 = **£249.** Two **UWTC-1,** wireless thermocouple connector/transmitters, **UWTC-REC1,** 48-channel receiver/host, and two **UWTC-BATT** spare batteries, £84 + 84 + 151 + 8 + 8 = **£335.

UWTC-NB9-CAIN-M45U-300**, wireless thermocouple probe assembly, Type K, inconel® sheath, 4.5 mm sheath diameter, ungrounded junction, ½" BSPT process fitting, 300 mm long **£131. UWRTD-NB9-1PT316-M30-600,** wireless RTD probe assembly, 100 Ω, 0.00385 curve, 316 SS sheath, 3 mm sheath diameter, ½" BSPT process fitting, 600 mm long, **£137.

Note: Because of transmission frequency regulations, these products may only be used in the United States, Canada and Europe (please note CE compliance of the specific model for use in Europe).

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