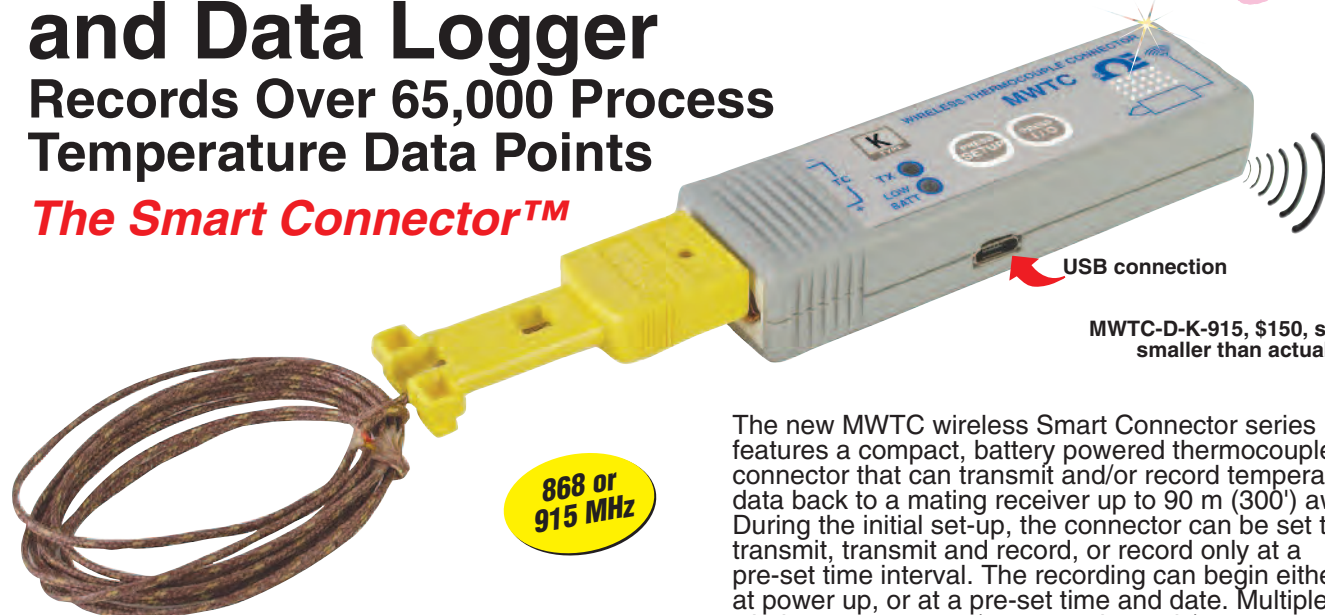




# Miniature Portable Wireless Thermocouple Connector and Data Logger

## Records Over 65,000 Process Temperature Data Points

**The Smart Connector™**



MWTC-D-K-915, \$150, shown smaller than actual size.

868 or 915 MHz

**PATENT PENDING**

MWTC-D Series

**\$150**



- ✓ Available in J, K, T, E, R, S, B, C, and N Thermocouple Calibrations
- ✓ Built-In Cold Junction Compensation and Linearization
- ✓ Records 65,400 Process Temperature Data Points or 32,700 Process and Ambient Temperature Data Points
- ✓ Records at Power-Up, or at a Pre-Determined Time and Date
- ✓ Transmits Process and Ambient Temperatures, and Battery Information Wirelessly to MWTC-REC Receivers
- ✓ Free Application Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger

The new MWTC wireless Smart Connector series features a compact, battery powered thermocouple connector that can transmit and/or record temperature data back to a mating receiver up to 90 m (300') away. During the initial set-up, the connector can be set to transmit, transmit and record, or record only at a pre-set time interval. The recording can begin either at power up, or at a pre-set time and date. Multiple wireless connectors (up to 48 channels) can transmit to one MWTC-REC receiver.

Stored data can be easily downloaded to a PC via direct USB connection. The user can record either 65,400 process temperature data points, or 32,700 Process and ambient temperature data points.

### Specifications (For Additional Specifications visit [omega.com/mwtc\\_series](http://omega.com/mwtc_series))

**Thermocouple Types:** J, K, T, E, R, S, B, C, N (factory set)

**PC Interface:** USB (one cable included)

**Modes of Operation:** Transmit, transmit and record, or record only, set by software

**Memory:** 65,400 process rdgs, or 32,700 process and ambient rdgs, set by software

**Data Logging Start Time:** At power-up or at a pre-set time and date, set by software

**Logging/Transmit Time Interval:** 2 sec to 2 minutes, set by software

**Radio Frequency:** ISM 915 MHz or ISM 868 MHz

**RF Power Output:** Less than 5 mW (7 dBm)

**Range of RF Link:**

**Outdoor Line of Sight:** 90 m (300')

**Indoor/Urban:** 39 m (130')

**Battery:** AAA size, 1.5V Lithium battery (included). Also, compatible with 1.5V alkaline or 3.6V lithium battery

**Battery Life (Typical):** 7.2 months at 1 sample per minute at room temperature

**AVAILABLE FOR FAST DELIVERY!**

To Order (Specify Model Number)		
Model No.	Price	Description
MWTC-D-(*)-(**)	\$150	Wireless thermocouple connector and data logger
MWTC-REC5-(**)	40	Miniature 48-channel MWTC receiver, direct USB attach

\* Specify calibration: J, K, T, E, R, S, B, C, or N

\*\* Specify ISM Frequency: 915 for USA/Canada, or 868 for Europe.

**Note:** Optional wireless receiver is not required to operate the data logging connectors. Stored readings can be downloaded via the USB connection. One USB cable is included with transmitter.

Wireless transmitter comes complete with 1 m (40") thermocouple sensor, USB cable, mounting bracket, and one "AAA" size 1.5V Lithium battery. Wireless receiver comes with operator's manual and software CD.

**Ordering Example:** MWTC-D-K-915, 915 MHz wireless Type K thermocouple data logging connector, and MWTC-REC5-915, 915 MHz wireless receiver, \$150 + 40 = \$190.



#### UNITED STATES

[www.omega.com](http://www.omega.com)  
1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)  
Laval(Quebec)  
1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)  
Deckenpfronn, Germany  
0800-8266342

#### UNITED KINGDOM

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Manchester, England  
0800-488-488

#### FRANCE

[www.omega.fr](http://www.omega.fr)  
Guyancourt, France  
088-466-342

#### CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)  
Karviná, Czech Republic  
596-311-899

#### BENELUX

[www.omega.nl](http://www.omega.nl)  
Amstelveen, NL  
0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, 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, Wire

### • 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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 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, Strain Gages, 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