

DAS – Networking/Wireless

Miniature Wireless Thermocouple Connectors



Item shown is not actual size.

- ✓ 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

MWTC Series



For more information visit: newportUS.com/mwtc

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

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



MWTC-REC1
48 Channel MWTC receiver

Items shown are not actual size.



MWTC-REC5-915
48 Channel MWTC receiver

Model No	Description
MWTC-D- (*) (**)	Wireless thermocouple connector and data logger
MWTC-REC1- (**)	48-channel MWTC wireless receiver, with 1.8 m (6ft) USB cable
MWTC-REC5- (**)	Miniature 48-channel MWTC wireless receiver, direct USB attachment

Ordering Example: MWTC-D-K-915, 915 MHz wireless Type K thermocouple data logging connector, and MWTC-REC5-915, 915 MHz wireless receiver.

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

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

Note: Because of transmission frequency regulations, these products may only be used in the United States and Canada (915 MHz models) or Europe (868 MHz models).

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.