Wireless Thermocouple Temperature Transmitter Part of the NOMAD® Family

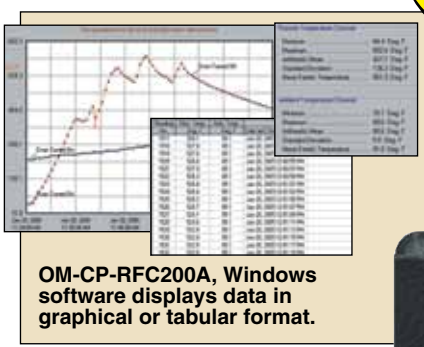
OM-CP-RFTC4000A

MADE IN USA | 5 YEAR WARRANTY | NIST Optional† | CE

- **Dual Channel Ambient and Remote**
- **Real-Time Operation**
- **Automatically Converts Your PC Into a Strip Chart Recorder**
- **Multiple Transmitter Configurations**
- **Automatic Thermocouple Linearization**
- **Memory Wrap Around**
- **Programmable Start Time**

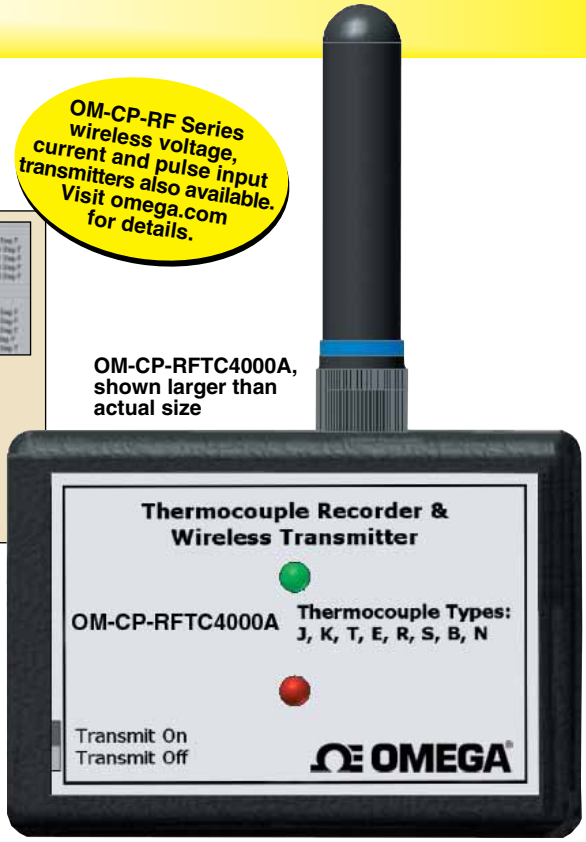
The OM-CP-RFTC4000A is a miniature, wireless, battery powered, stand-alone, thermocouple based temperature transmitter. This all-in-one compact, portable, easy to use device will measure and transmit temperature measurements. When enabled, the wireless transmitter will transmit readings back to the host computer where the data can be analyzed in real time. These readings are also logged to the device's memory for added data security. The convenient slide switch alows the transmitter to be turned on or off without affecting the operation of the device. Data is received at the PC using the OM-CP-RFC101A receiver that attaches directly to the serial port. All received data is time and date stamped and stored directly in your PC. Its small size allows it to fit almost anywhere.

The OM-CP-RFTC4000A is a major leap forward in both size and performance. Numerous devices may transmit data to the same receiving station. The Windows software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can also be exported to a text or Microsoft Excel file.



OM-CP-RFC200A, Windows software displays data in graphical or tabular format.

OM-CP-RF Series wireless voltage, current and pulse input transmitters also available. Visit omega.com for details.



OM-CP-RFTC4000A, shown larger than actual size

Specifications

Internal Channel Temperature Range: -30 to 70°C (-22 to 158°F)
Temperature Resolution: 0.1°C
Temperature Accuracy: ±0.5°C (0 to 50°C)
Remote Channel Thermocouple Types: J, K, T, E, R, S, B, N (programmable)
Thermocouple Connection: Female subminiature (SMP)
Cold Junction Compensation: Automatic based on internal channel
Memory: 4095 readings per channel
Reading Interval: 1 reading every 30 seconds to 1 every 12 hours
Calibration Date: Digital calibration through software
Data Format: Date and time stamped, °C, °F, °K, °R; V, mV, µV
Time Accuracy: ±1 minute/month at 20 to 30°C
Computer Interface: PC serial, RS-232C COM or USB (interface cable required) 57600 baud
RF Baud Rate: 4800 baud
RF Carrier Frequency: 418 MHz
Range: 36 m (120') line of sight
Power: 3.6 V lithium battery (included)
Battery Life: 1 year typical (1 minute reading rate @ 25°C)
Software: XP SP3/Vista and 7 (32- and 64-bit)
Operating Environment: -30 to 70°C (-22 to 158°F) 0 to 95% RH non-condensing

Dimensions: 44 H x 59 W x 21 mm D (1.7 x 2.3 x 0.8")
Weight: 60 g (2 oz)
Enclosure: ABS plastic

T/C Type	Range (°C)	Resolution	Accuracy
J	-210 to 760	0.1°C	±0.5°C
K	-270 to 1370	0.1°C	±0.5°C
T	-270 to 400	0.1°C	±0.5°C
E	-270 to 980	0.1°C	±0.5°C
R	-50 to 1760	0.5°C	±2.0°C
S	-50 to 1760	0.5°C	±2.0°C
B	+50 to 1820	0.5°C	±2.0°C
N	-270 to 1300	0.1°C	±0.5°C

To Order *Visit omega.com/om-cp-rftc4000a for Pricing and Details*

Model No.	Description
OM-CP-RFTC4000A	Wireless temperature transmitter
OM-CP-RFTC4000A-CERT†	Wireless temperature transmitter with NIST calibration certificate
OM-CP-RFC101A	Receiver package includes RF receiver, 1.2 m (4') RS-232 cable with DB9F termination, Windows software and operator's manual
OM-CP-RFC200A	Receiver package includes RF receiver, 3.7 m (12') USB cable, Windows software and operator's manual
OM-CP-BAT105	Replacement 3.6V lithium battery

Comes complete with 3.6V lithium battery.The OM-CP-RFC200A receiver package is required to operate the wireless transmitter and sold separately.

***Ordering Example: OM-CP-RFTC4000A-CERT** wireless temperature transmitter with NIST calibration certificate, and **OM-CP-RFC200A** Windows software, USB cable with receiving antenna.*