

Wireless Thermocouple and RTD Probe/Transmitter Assemblies For Industrial Applications

UWTC-NB9 Series



- ✔ Transmit Temperature Data Wirelessly to Your Computer or the Internet
- ✔ Complete Industrial Assembly
- ✔ Transmit up to 120 m (400')
- ✔ Included Software Converts a PC into a Multi-Channel Chart Recorder or Data Logger
- ✔ Each Wireless Connector Transmits Sensor Temperature, Ambient Temperature, Signal Strength and Battery Status in Real Time
- ✔ Low Power Operation, Sleep Mode for Long Battery Life
- ✔ Compatible with UWTC-REC Wireless Receivers

INPUT AND SHEATH OPTIONS

ORDER CODE	INPUT TYPE	SHEATH
ICIN	J Iron	Inconel®
ICSS	Constantan	304 SS
CAIN	K CHROMEGA®	Inconel
CASS	ALOMEGA®	304 SS
CXIN	E CHROMEGA®	Inconel
CXSS	Constantan	304 SS
CPIN	T Copper	Inconel
CPSS	Constantan	304 SS
NNIN	N	Inconel
1PT304	RTD, Pt100	304 SS
1PT316	Ω 0.00385	316 SS
2PT304	RTD, Pt100	304 SS
2PT316	Ω 0.00392	316 SS

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).

FCC/Industry
Canada
Approved



For Available
Receivers,
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UWTC-NB9-CASS-18U-12 shown smaller than actual size.

The OMEGA® wireless thermocouple and RTD industrial probe assemblies feature a complete, ready to install, pre-wired sensor and wireless transmitter package. Built into the NB9 glass reinforced Nylon head is a wireless transmitter that can transmit temperature readings back to a host receiver up to 120 m (400') away. The probes transmit the measured temperature, along with the head ambient temperature, RF signal strength and battery condition to a remote host, such as the UWTC-REC Series. You can program the UWTC-NB9 to transmit your data at rates from every two seconds (30/min) to every 2 minutes.

To Order

Model No.	Description
UWTC-NB9-(*)-(**)U-6	Wireless thermocouple-probe assembly, 152 mm (6") ungrounded probe
UWTC-NB9-(*)-(**)U-12	Wireless thermocouple-probe assembly, 304 mm (12") ungrounded probe
UWTC-NB9-(*)-(**)U-18	Wireless thermocouple-probe assembly, 457 mm (18") ungrounded probe
UWTC-NB9-(*)-(**)U-24	Wireless thermocouple-probe assembly, 610 mm (24") ungrounded probe
UWRD-NB9-(*)-(**)12	Wireless RTD-probe assembly, 304 mm (12") probe
UWRD-NB9-(*)-(**)24	Wireless RTD-probe assembly, 610 mm (24") probe
UWTC-BATT-C	Replacement battery, 3.6V lithium battery assembly (one included)

Note: USB programming cable, and FREE measurement and data logging software are both included with compatible UW Series wireless receivers and transceivers.

* Specify input type and sheath material, see Input and Sheath Options chart at left.

** Specify probe OD: 116 (1/16"), 18 (1/8"), 316 (3/16"), or 14 (1/4").

Comes complete with transmitter protection head, integral probe, 3.6V lithium battery assembly and operator's manual.

Ordering Examples:

UWTC-NB9-CAIN-316U-12, wireless thermocouple probe assembly, Type K, inconel sheath, 4.76 mm (3/16") OD, ungrounded junction, 304 mm (12") length, and **UWTC-REC1**, USB powered wireless receiver.

UWRD-NB9-1PT304-14-24, wireless RTD probe assembly, 100 Ω, 0.00385 RTD, 6.35 mm (1/4") OD 304 SS sheath, 610 mm (24") length, and **UWTC-REC1**, USB powered wireless receiver.

Please contact OMEGA for Type K probes with OMEGACLAD® XL sheath, or for ordering information for types R, S, B and C thermocouples.