

# Wireless Thermocouple and RTD Probe/Transmitter Assemblies For Industrial Applications



## UWTC-NB9 Series



**FCC/Industry  
Canada  
Approved**

- ✔ 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

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.



**For Available  
Receivers,  
see omega.com**

UWTC-NB9-CASS-18U-12 shown smaller than actual size.

### INPUT AND SHEATH OPTIONS

ORDER CODE	INPUT TYPE	SHEATH
ICIN	J Iron	Inconel®
ICSS	Constantan	304 SS
CAIN	K CHROME®	Inconel
CASS	ALOMEGA®	304 SS
CXIN	E CHROME®	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).

### To Order Visit [omega.com/uwtc-nb9](http://omega.com/uwtc-nb9) for Pricing and Details

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.

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#### UNITED KINGDOM

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#### CANADA

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