

Wireless Thermocouple and RTD Probe/Transmitter Assemblies For Industrial Applications



**FCC/Industry
Canada
Approved**

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

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**

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.

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

To Order Visit 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)

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: 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 (5/16"), 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.