

Weather Resistant Wireless Process Transmitter

Voltage/Current Transmitter

UWPC-2A-NEMA-M12



- ✓ Convert Process Signal to Wireless—Up to 120 m (400')
- ✓ Accepts 0 to 1V, 0 to 5V, 0 to 10V and 4 to 20 mA Signals
- ✓ Weather Resistant NEMA 4X (IP65) Enclosure
- ✓ Low Power Operation/ Sleep Mode for Long Battery Life
- ✓ UWTC Receivers Work with Up to 48 Wireless Transmitters
- ✓ Transmit Temperature Data Wirelessly to a PC or the Internet
- ✓ User Selectable Input Ranges



Part of a Complete Wireless System:

- | | |
|---------------|---------------|
| • Temperature | • Temperature |
| • Humidity | • Pressure |
| • Infrared | • pH |

The UWPC wireless process transmitter converts standard process signals (0 to 1V, 0 to 5V, 0 to 10V and 4 to 20 mA) into a wireless signal that can be transmitted up to 120 m (400'), eliminating the need for wiring runs in a variety of environments.

The wall mountable UWPC transmits data at preset intervals, selectable from 2 to 120 seconds. Transmitted data includes the sensor reading, along with RF signal strength and battery status.

The UWPC is compatible with the UWTC-REC family of wireless receivers, which can accept signals from up to 48 wireless transmitters, and display them on a PC.

Each compatible receiver includes free software that converts your PC into a monitor, chart recorder or data logger. Readings can be saved and later printed or exported to a spreadsheet file.

Add wireless capability to your existing monitoring equipment. Simply add model UWPC-2A-NEMA-M12 in-line with any two-wire 4 to 20 mA loop system!



Specifications

Input Range: 0 to 1 Vdc, 0 to 5 Vdc, 0 to 10 Vdc or 4 to 20 mA

Accuracy: ±0.04% of range

Input Connection: M12 connector

Transmit Sample Rate: Programmable from 1 sample/2 sec to 1 sample/120 sec

Radio Frequency (RF) Transceiver Carrier: ISM 2.4 GHz, direct sequence spread spectrum

RF Output Power: 10 dBm (10 mW)

Range of RF Link:

Outdoor Line of Sight:

Up to 120 m (400')

Indoor/Urban: Up to 40 m (130')

RF Data Packet Standard:

IEEE 802.15.4, open communication architecture

Power: One 3.6V, lithium "C" cell battery (included)

Battery Life (Typical): 3 years
1 sample/minute reading rate
@ 25°C (77°F)

Enclosure:

NEMA 4 (IP65), polycarbonate

Enclosure Dimensions:

145.8 L x 94.7 W x 50.8 mm H
(5.74 x 3.73 x 2")

Resolution: 14-bit, up to 4 decimals

To Order

Model No.	Description
UWPC-2A-NEMA-M12	Wireless process input transmitter with NEMA enclosure

Receivers/Accessories

Model No.	Description
UWTC-REC1	USB powered 48-channel transmitter receiver
UWTC-REC2-(*)	48-channel receiver with analog output
UWTC-REC2-D-(*)	48-channel receiver with analog output and display
UWTC-REC4-(*)	48-channel DIN rail receiver with 4 analog outputs and alarms
UWTC-REC6-(*)	1-channel transceiver with analog output
UWTC-CABLE	Spare USB programming/communication cable
UWPC-CONN	Spare male input connector
M12-PUR-4-S-F-2	DC cable assembly for probes, sensors and transmitters
PX419	High accuracy pressure transducer micro-machined silicon design
PSU-93	DC power supply
UWM-DINRAIL	DIN rail mounting bracket assembly
BATT-C-3.6	Replacement 3V C cell Li battery

Comes complete with antenna, 3.6V lithium "C" cell battery, and operator's manual.

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).

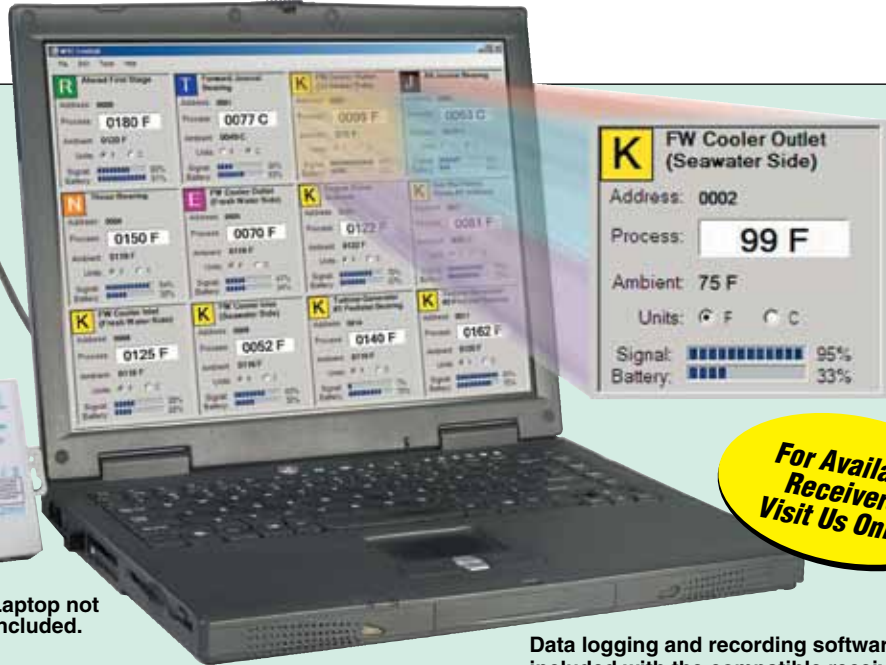
* Specify analog output signal: "V1" for 0 to 5 Vdc; "V2" for 0 to 10 Vdc, or "MA" for 4 to 20 mA.

Ordering Examples: UWPC-2A-NEMA-M12, wireless process input transmitter, UWTC-REC1, USB powered 48-channel transmitter receiver, PX419-005GV, 5 psig high accuracy transducer, M12-PUR-4-S-F-2, DC cable assembly, and PSU-93 DC power supply.

UWPC-2A-NEMA-M12, wireless process input transmitter, UWTC-REC2-MA, 48-channel receiver with analog output, PX419-005GV, 5 psig high accuracy transducer, M12-PUR-4-S-F-2, DC cable assembly, and PSU-93 DC power supply.

Connect a Wireless Receiver to Your Computer, PLC, or Data Logger to Form a Complete Wireless System!

Monitor Up to 48 Different Wireless Transmitters with One Receiver!



For Available Receivers, Visit Us Online

USB connection (cable included)

UWTC-REC2-V1, shown smaller than actual size. UWTC-REC2 models available with 4 to 20 mA, 0 to 5 Vdc or 0 to 10 Vdc analog output. Mating connector and cable included.

Laptop not included.

Data logging and recording software included with the compatible receivers.