

# Wireless Relative Humidity/ Temperature Transmitters

UWRH-2



- ✓ Measure Both Relative Humidity and Temperature
- ✓ Transmit up to 120 m (400')
- ✓ Available with NEMA 4X (IP65) Weather Resistant Enclosure
- ✓ Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger
- ✓ Transmits Relative Humidity, Ambient Temperature, Signal Strength and Battery Status
- ✓ Works with All UWTC Series Wireless Receivers and Transceivers

OMEGA's Wireless Relative Humidity transmitter features a stand-alone, compact, battery powered NEMA design that transmits measurements back to a host receiver up to 120 m (400') away. When activated the wireless transmitter will transmit readings continuously at pre-set time interval that was programmed by the user during the initial setup. Each unit measures and transmits: Relative Humidity Reading, Ambient Temperature, RF Signal Strength and Battery Condition to the receiver and is displayed on your PC screen in real time using the provided software.



UWRH-2 transmitter shown smaller than actual size.

**Additional Receivers Available**

## Specifications (Complete specifications available online)

**Temperature Range:**  
-17 to 49°C (2 to 120°F)  
**Accuracy:** ±1°C (±1.8°F)  
**Relative Humidity Range:** 2 to 98% RH  
**Accuracy:** ±2.5% RH from 20 to 80% RH; ±3.5% RH below 20 and above 80% RH @ 25°C (76°F)

**Operating Environment:**  
-10 to 70°C (14 to 158°F)

**Battery Life (typical):**  
**UWRH-2:** 1 year  
**UWRH-2-NEMA:** 3 years at 1 sample/minute reading rate @ 25°C (77°F)



**FCC/Industry Canada Approved**



UWRH-2-NEMA

To Order	
Model No.	Description
UWRH-2	RH/temperature transmitter, compact enclosure
UWRH-2-NEMA	RH/temperature transmitter, NEMA enclosure
UWTC-ANT-LR	Optional directional antenna for UWRH-2
UWTC-BATT	Replacement battery for UWRH-2, 3.6V, "AA" lithium (one included)
UWTC-BATT-C	Replacement 3.6V battery assembly for UWRH-2-NEMA (one included)
UWTC-CABLE	Spare programming cable

**Note:** USB programming cable and FREE measurement and data logging software are both included with compatible UW Series wireless receivers and transceivers. Comes complete with 3.6V lithium battery assembly, mounting bracket and operator's manual.  
**Ordering Examples:** UWRH-2-NEMA, wireless relative humidity/temperature transmitter, UWTC-REC1, 48-channel receiver and UWTC-BATT-C, spare battery.  
UWRH-2, wireless RH/temperature transmitter, UWTC-REC1, 48-channel receiver and UWTC-BATT, spare battery.