

## WTS - WIRELESS LOAD CELL COMMUNICATION SYSTEM

### FEATURES & BENEFITS

The WTS (Wireless Telemetry System) provides easy-to-use wireless data communication between a load sensor and a receiving indicator. The WTS-BS receiver is capable of receiving multiple inputs from various load cells or torque transducers.

The WTS-AM is fully compatible with all of Interface's force sensors, and comes direct from our factory setup, calibrated, and tested – ready-to-run.

Using AA batteries or D batteries, the WTS-AM system can last for many months\* without a battery change.

### SPECIFICATIONS

EXCITATION		
Excitation Voltage – VDC		5
PERFORMANCE		
Input Range – mV/V (max)		±4.5
Radio Type / Frequency – GHz		2.4; FCC conforming
Transmit Rate – /sec		3 typical
Available Channels		16
ENVIRONMENTAL		
Operating Temperature	°C	-40 to +65
	°F	-88.18 to +143.3
IP Rating		IP67

### OPTIONS

TRANSMITTERS	
WTS-AM-1	mV/V input 200 m (218.7 yd) range
WTS-AM-1E	mV/V input 800 m (874.9 yd) range
WTS-AM-2	Voltage input 0-10
WTS-AM-3	Current input 0-20 or 4-20 mA
RECEIVERS	
WTS-BS-1	Hand-held display with multi-channel capability
WTS-BS-3	USB base station receiver for use with PC for data logging and/or WTS module configuration. 200 m (218.7 yd) range
WTS-BS-3E	Same as WTS-BS-3 but with a 500m(546.8 yd) range
WTS-BS-4	Ruggedized USB base station receiver for use with PC for data login and/or WTS module configuration. Provides extended range usage to 800 m (874.9 yd)
WTS-BS-5	Industrial analog output module for voltage or mA output

**\*The WTS system functionally includes sleep and wake modes for external battery life.**

### STANDARD CONFIGURATION



WTS-BS-1 (Shown)



WTS-BS-3E (Shown)



WTS-BS-5 (Shown)



WTS-AM (Shown)  
(2) "D" Size Batteries



WTS-AM (Shown)  
(2) "AA" Size Batteries

### TRANSMITTER MODULE (WTS-AM)

- m/V, voltage, or current input with full 24-bit ADC and up to 18-bit effective resolution at 200 updates/sec.
- 2.4 GHz frequency with up to 800 m (874.9 yd) range
- IP67 NEMA4 enclosure
- AA Battery Enclosure 80 x 62 mm (3.1 x 2.4 in) or D Battery Enclosure 164 x 84 mm (6.5 x 3.3 in)
- Factory set-up to work properly with your selected sensors
- Sleep Mode

### HANDHELD BASE STATION (WTS-BS-1)

- 8-Digit display
- System Zero Function
- Up to 800 m (874.9 yd) range
- IP67 waterproof enclosure 90 x 150 x 35 mm (3.5 x 5.9 x 1.4 in)