

WTS – Wireless Load Cell Communication System

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, the WTS-AM system can last for up to 3 months* without a battery change.



Transmitter Module (WTS-AM)

- mV/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 200 meter range
- IP65 NEMA4 enclosure (80 x60 x30 mm)
- Battery operated (2@AA) with sleep mode
- Factory set-up to work properly with your selected sensors

Receiver Module (WTS-BS-1 Handheld)

- 8 digit display
- Fully functional tare capability
- Up to 200 meter range
- IP65 waterproof enclosure (90 x150 x35 mm)

* The WTS system functionality includes sleep/wake modes for extended battery life.

TRANSMITTER SPECIFICATIONS

Excitation Voltage	5VDC
Input	±4.5mV/V (max)
Radio Type / Frequency	2.4GHz; FCC conforming
Transmit Rate	3/sec typical
Available Channels	16
Operating Temperature	-40 to 65 °C
IP rating	IP65

SYSTEM COMPONENT OPTIONS

Transmitters:

- WTS-AM-1 - mV/V input
- WTS-AM-2 - voltage input (0-10V)
- WTS-AM-3 - current input (0-20 or 4-20 mA)

Receivers:

- WTS-BS-1 - handheld display with multiple channel capability
- WTS-BS-3 - USB base station receiver for use with PC for data logging and/or WTS module configuration
- WTS-BS-4 - Ruggedized USB base station receiver for use with PC for data logging and/or WTS module configuration. Provides extended range usage to 200 meters
- WTS-BS-5 - Industrial analog output module for voltage or mA output