

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



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 800-meter range
- IP67 NEMA4 enclosure
- AA Battery Enclosure (80mm x 62 mm) or D Battery Enclosure (164mm x 84mm)
- 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 meter range
- IP67 waterproof enclosure (90 x 150 x 35 mm)

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	IP67

SYSTEM COMPONENT OPTIONS

Transmitters:

- WTS-AM-1 — mV/V input (200m Range)
- WTS-AM-1E — mV/V input (800m 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. (200m Range)
- WTS-BS-3E — Same as WTS-BS-3 but with a 500m 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 800m.
- WTS-BS-5 — industrial analog output module for voltage or mA output

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