

WTS – Wireless Load Cell Communication System

- WTS-AM Acquisition Module
- WTS-BS Handheld Receiver

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 (selectable) 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 or voltage 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 load cell(s)

Receiver Module (WTS-BS-1 Handheld)

- 8 digit display
- Fully functional tare capability
- 200 meter range
- Power-off transmitter from receiver enabled
- IP65 waterproof enclosure (90 x150 x35 mm)

TRANSMITTER SPECIFICATIONS

Excitation Voltage	5VDC
Input	±4.5mV/V (max)
Radio Type / Frequency	2.4GHz; FCC conforming
Data Rate	250 Kbits/sec
Available Channels	16
Operating Temperature	-40 to 65 °C
IP rating	IP65

SYSTEM COMPONENT OPTIONS

- WTS-AM-2 - voltage input (0-10V)
- WTS-AM-3 - current input: 0-20 or 4-20 mA
- WTS-BS-3 - wireless receiver; provides USB output to laptop or PC for data-logging.
- WTS-BS-5 - wireless industrial receiver; provides analogue output for data acquisition.

ORDERING INFORMATION

- 1) Choose the load cell or torque transducer required for the application.
- 2) Tell us the maximum capacity used in your application
- 3) Interface will setup, calibrate, and completely test your new wireless system with your load cell / torque transducer and deliver a completely calibrated, testing, and working system.

WTS v1.0 2013.05.13

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