WTS & BTS
Telemetry Systems
Wireless Telemetry System

The Interface WTS, sensor transmitters, receivers, and displays provide high accuracy, high quality measurement with simple, yet powerful configuration and monitoring software. The WTS gives sensor manufacturers and integrators the complete flexibility to build their own sensor modules around it. The system easily replaces wired systems, reducing installation and maintenance costs.

Bluetooth® Telemetry System

Instant access to close range strain bridge input measurements via phone or tablet. Connect up to 12 sensors to a single mobile device or to multiple mobile devices.

The BTS-AM-1 is a Bluetooth Low Energy (BLE) strain bridge transmitter module that provides access to high quality measurements on a mobile platform such as a phone or tablet. The delivery mechanism is BLE which utilizes the flexibility and availability of Bluetooth receivers while maintaining the low power requirements of embedded systems. BTS is built upon two complimentary principles of BLE: 1) broadcast advertising data which enables users to deliver the same data to multiple receivers simultaneously and 2) low power paired connections which can be used in a point to point system.
**WTS 1200** Standard Precision Wireless
Up to 3,000K lbf
Up to 13.3 kN

**WTSLP** Wireless Stainless Steel Load Pin
Up to 3,000K lbf
Up to 13.3 kN

**WTSTL** Wireless Tension Link
11K to 220K lbf
5 to 100 MT

**WTSSHK-B** Wireless Crosby™ Bow Load Shackle
26.5K and 265K lbf
12 to 120 MT

**WTSSHK-B-HL** Wireless Bow Load Shackle
265K to 2205K lbf
120 to 1K MT

**WTSSHK-B-JR** Wireless Crosby™ Bow Load Shackle
7.17K to 20.9K lbf
3.25 to 9.5 MT

**IAHD-1** Advanced Wireless Handheld Display with Audible Alarm
Rugged and versatile digital display

**WTS-AM-1E** Wireless Strain Bridge Transmitter Module
For Strain Bridge Input

**WTS-AM-1F** Wireless Strain Bridge Transmitter Module
For Fast Measurements

**WTS-AM-2** Wireless Voltage Sensor Transmitter
For Voltage Input

**WTS-AM-3** Wireless 4-20 mA Transmitter Module
For mA Input

**WTS-BS-1** Wireless Handheld Display For Unlimited Transmitters
Roams Between Transmitters in Range

**WTS-BS-1-HA** Wireless Handheld Display for Multiple Transmitters
Provides Summation of Up to 12 Transmitters

**WTS-BS-1-HS** Wireless Handheld Display for Single Transmitters
Simple Operation

**WTS-BS-3E** Wireless Base Station with USB Interface
Includes WTS Toolkit Software and Log 100 Software

**WTS-BS-4** Wireless Base Station with USB Interface in Industrial Enclosure
Includes WTS Toolkit Software and Log 100 Software

**WTS-BS-5** Wireless Analog Output Receiver Module
Provide Analog Output for WTS Acquisition Modules

**WTS-BS-SDT** Wireless Analog Output Receiver Module
Provide Analog Output for WTS Acquisition Modules

**WTS-BS-6** Wireless Telemetry Dongle Base Station
Includes WTS Toolkit Software and Log 100 Software
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<td>Wireless Large LED Display&lt;br&gt;Large Screen with 4-digit 4 in (102 mm) LED display</td>
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<td>WTS-LD2</td>
<td>Wireless Large LED Display&lt;br&gt;Large Screen with 6-digit 4 in (102 mm) LED display</td>
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<td>WTS-GW1</td>
<td>Wireless Gateway with Modbus and ASCII Serial Output&lt;br&gt;Capable of Gathering Data from Up to 100 Acquisition Modules</td>
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<td>WTS-PR1</td>
<td>Wireless Telemetry Printer&lt;br&gt;Prints Screen from the Handheld WTS-BS-1-HA</td>
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<td>WTS-RM1</td>
<td>Wireless Relay Output Receiver Module&lt;br&gt;Accepts Up to 16 Devices</td>
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<td>WTS-SO</td>
<td>Wireless Interface with ASCII Serial Output&lt;br&gt;Serial Output to Printer, Display, PC or PLC</td>
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<td>WTS-WSS</td>
<td>Wireless Wind Speed Transmitter Module&lt;br&gt;Constantly Monitors Average Wind Speed</td>
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<td>WTS-AR</td>
<td>Wireless Repeater Module&lt;br&gt;Extends and Enhances Range of WTS Devices</td>
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<td>PCB Antenna&lt;br&gt;Designed to be fitted inside a plastic enclosure</td>
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<td>Whip Antenna&lt;br&gt;Fixed 90 degree elbow designed for mounting externally</td>
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<td>WTS-ANTC</td>
<td>Whip Antenna&lt;br&gt;Variable angled elbow for mounting externally</td>
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<td>WTS-ANTD</td>
<td>Puck Antenna&lt;br&gt;Suitable for applications requiring a low physical profile and high gain</td>
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<td>WTS-ANTE</td>
<td>Puck Antenna&lt;br&gt;Designed for mounting externally with a low physical profile</td>
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<td>WTS-BC1</td>
<td>Telemetry Charger Module&lt;br&gt;Lithium battery charger module Compatible with both WTS and BTS</td>
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<td>BTS-AM-1</td>
<td>Bluetooth Telemetry System&lt;br&gt;“AA” Battery Powered Bluetooth Strain Gage Transmitter</td>
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<td>BTS-OEM-1</td>
<td>Bluetooth Telemetry System&lt;br&gt;OEM Bluetooth Strain Gage Transmitter</td>
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<td>Log 100 Software</td>
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<td>WTS Toolkit</td>
<td>Setup &amp; Scaling, Logging, &amp; Graphing Software</td>
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<tr>
<td>Interface</td>
<td>Telemetry Cloud Platform&lt;br&gt;Cloud platform offers browser based access to data collected</td>
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<td>BTS Toolkit</td>
<td>Free iOS and Android App</td>
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Interface
WTS & BTS Telemetry Systems

- Bluetooth®
- Wireless
- Acquisition Modules
- Repeater Modules
- Telemetry Antennas
- Base Stations
- ASCII Serial Output
- LED Displays
- Repeater Modules
- Modbus
- LED Displays
- Wireless Telemetry Printers
- Relay Output Receivers
- Wind Speed Transmitters
- Load Cells
- Load Pins
- Tension Links
- Shackles

Software, Apps, & Cloud Platform

- WTS Toolkit
- BTS Toolkit
- Log 100
- Interface Telemetry Cloud Platform

WTS Toolkit

The WTS Toolkit is a software tool that allows communication with the WTS range of 2.4GHz telemetry products. A suitable telemetry to PC interface will be required such as a base station.

BTS Toolkit

A free iOS and Android app is available for download, which enables users to create dashboards with varying degrees of detail based on application requirements. It enables BTS systems to be visualized on phones and tablets by using digital displays, gages, tanks and charts. Displayed data can be defined as mathematical expressions consisting of readings from multiple transmitters, functions and constants. The app also facilitates BTS module configuration and calibration.

Log 100

Log 100 has been designed to allow the logging and visualization of up to 100 channels of data from the WTS Wireless Telemetry range of sensor transmitters. This software is free to download and allows users to build a visual representation of a system and assign live readings. The built in web server provides a summary view page to other computers, tablets, iPads and smart phones etc. using a standard browser.

Interface Telemetry Cloud Platform

Our new Cloud platform offers browser based access to data collected from the WTS telemetry instrumentation anywhere, at any time. Send data to the Cloud from our WTS range of hardware and software gateway solutions.

To learn more about the Interface products or force measurement solutions call 480-948-5555.
Interface is the world’s trusted leader in technology, design and manufacturing of force measurement solutions. Our clients include a “who’s who” of the aerospace, automotive and vehicle, medical device, energy, industrial manufacturing, test and measurement industries.

Interface engineers around the world are empowered to create high-level tools and solutions that deliver consistent, high quality performance. These products include load cells, torque transducers, multi-axis sensors, wireless telemetry, instrumentation and calibration equipment.

Interface, Inc., was founded in 1968 and is a US-based, woman-owned technology manufacturing company headquartered in Scottsdale, Arizona.