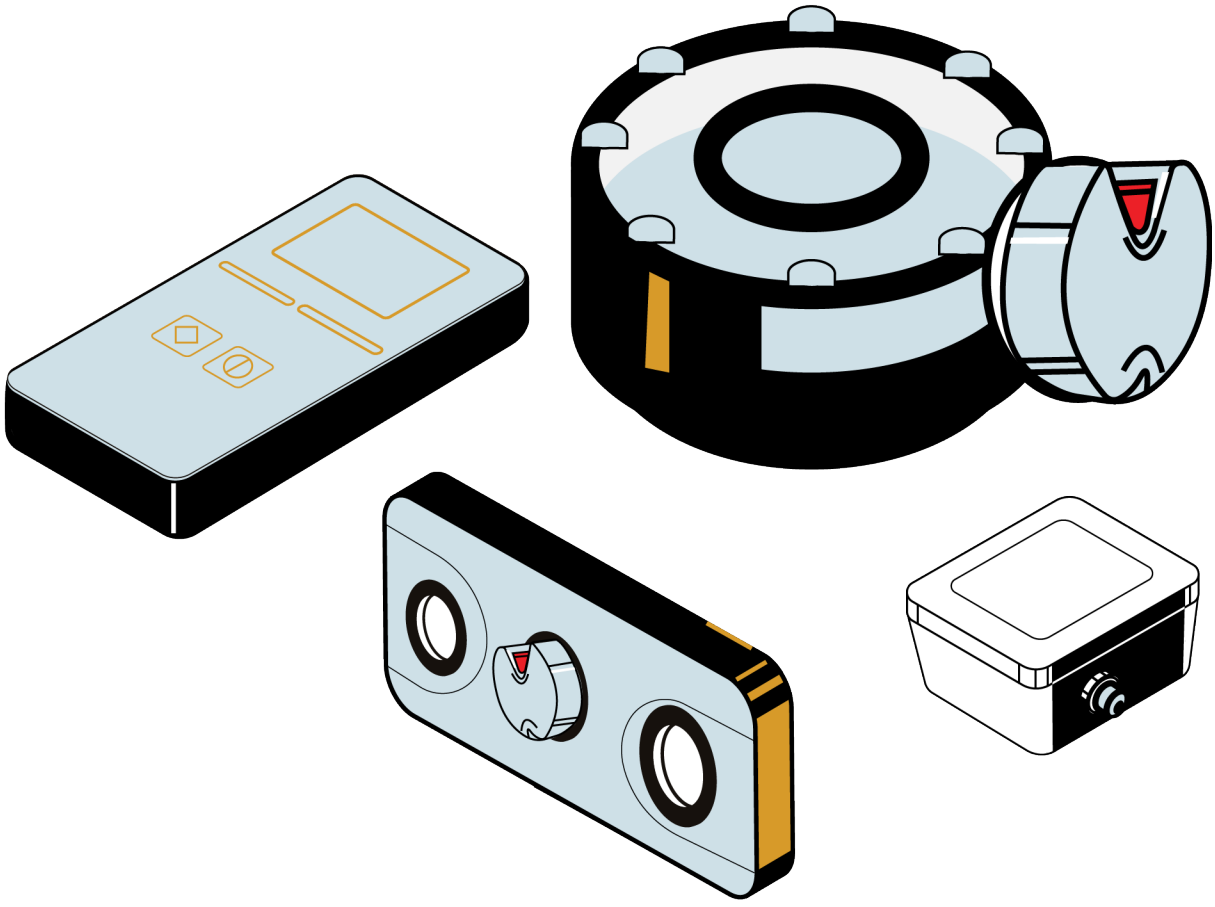
WTS & BTS

Telemetry Systems



WTS & BTS Telemetry Systems v1.1 11-10-2023

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FORCE MEASUREMENT SOLUTIONS

The World Leader in Force Measurement Solutions™

System Benefits

BTS Bluetooth® Telemetry Systems

- ✓ Long Battery Life
- ✓ Use Own Device
- ✓ Low Cost
- ✓ Android & iOS App
- ✓ Upgrade Path

- ✓ High Accuracy
- ✓ High Resolution
- ✓ IP Rated Enclosures
- ✓ OEM Options
- ✓ Strain or Load
- ✓ Cell Input

WTS Wireless Telemetry Systems

- ✓ High Speed
- ✓ Modular System
- ✓ Long Range
- ✓ Windows Software
- ✓ Maximum Devices
- ✓ Multiple Input Types

System Benefits

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.

Wireless Telemetry System

Powerful and easily expandable for measuring multiple sensor types. Connects with up to 100 sensors up to half a mile range. Supported by powerful configuration software with data logging and visualization for local or remote access.

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.

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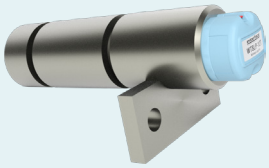
7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com

WTS 1200 Standard Precision Wireless
Up to 3,000K lbf
Up to13.3 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

WTSLTL Lightweight Aluminum Wireless Tension Link
11K to 661K lbf
5 to 300 MT

WTSLTL-JR Aluminum Compact Wireless Tension Link
2.2K to 10.5K lbf
1 to 4.75 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

WTSSHK-D Wireless Crosby™ Load Shackle
26.5K to 77.2K lbf
12 to 35 MT

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

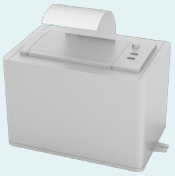
WTS-BS-6 Wireless Telemetry Dongle Base Station
Includes WTS Toolkit
Software and Log 100 Software

9812-WTS Wireless Panel Mount Display for Single Transmitters
6 digit LED display

WTS-LD1 Wireless Large LED Display
Large Screen with 4-digit
4 in (102 mm) LED display

WTS-LD2 Wireless Large LED Display
Large Screen with 6-digit
4 in (102 mm) LED display

WTS-GW1 Wireless Gateway with Modbus and ASCII Serial Output
Capable of Gathering Data from
Up to 100 Acquisition Modules



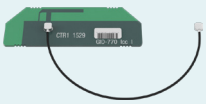
WTS-PR1 Wireless Telemetry Printer
Prints Screen from the
Handheld WTS-BS-1-HA

WTS-RM1 Wireless Relay Output Receiver Module
Accepts Up to 16 Devices

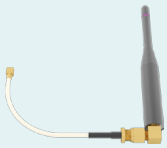
WTS-SO Wireless Interface with ASCII Serial Output
Serial Output to Printer,
Display, PC or PLC

WTS-WSS Wireless Wind Speed Transmitter Module
Constantly Monitors
Average Wind Speed

WTS-AR Wireless Repeater Module
Extends and Enhances
Range of WTS Devices



WTS-ANTA PCB Antenna
Designed to be fitted
inside a plastic enclosure



WTS-ANTB Whip Antenna
Fixed 90 degree elbow designed
for mounting externally

WTS-ANTC Whip Antenna
Variable angled elbow
for mounting externally

WTS-ANTD Puck Antenna
Suitable for applications requiring
a low physical profile and high gain

WTS-ANTE Puck Antenna
Designed for mounting externally
with a low physical profile

WTS-BC1 Telemetry Charger Module
Lithium battery charger module
Compatible with both WTS and BTS

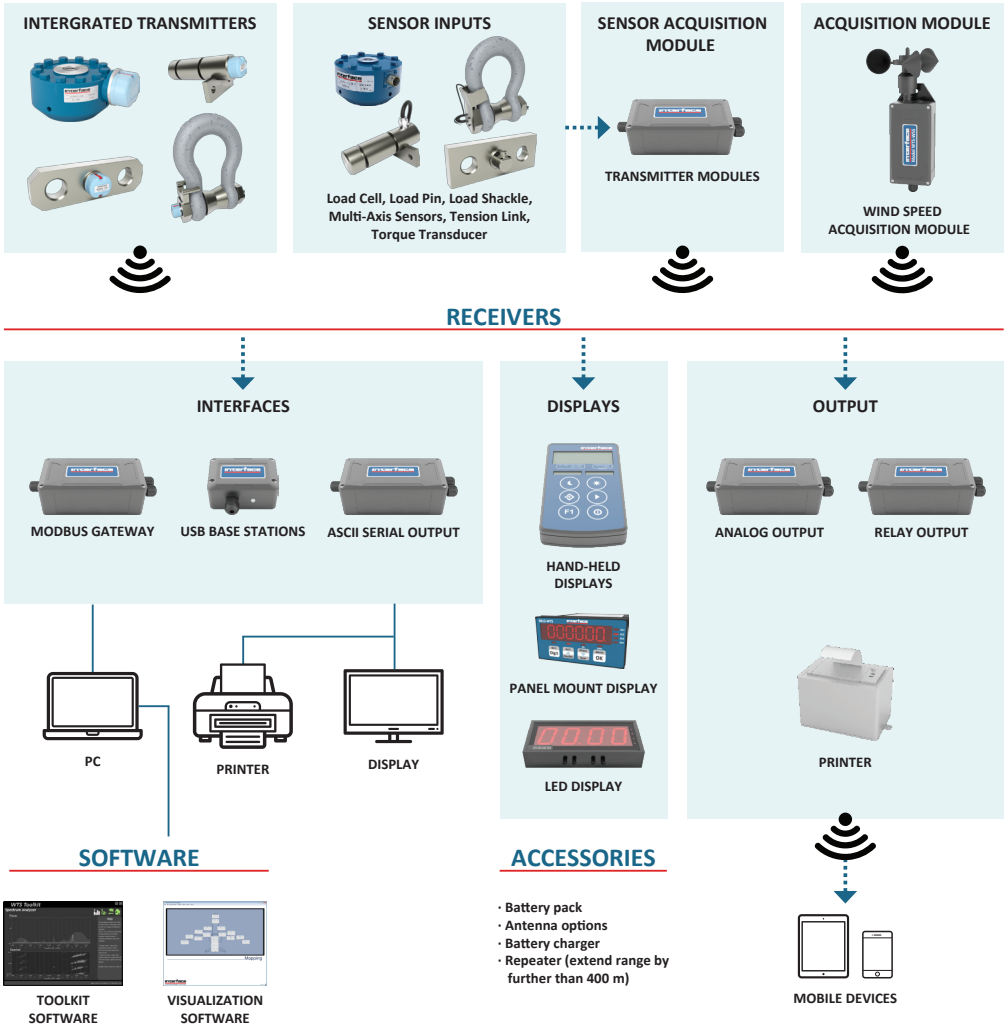
BTS-AM-1 Bluetooth Telemetry System
"AA" Battery Powered Bluetooth
Strain Gage Transmitter

BTS-OEM-1 Bluetooth Telemetry System
OEM Bluetooth Strain
Gage Transmitter

Log 100 Software
Display, Logging, Graphing,
& Mapping Software

WTS Toolkit
Setup & Scaling, Logging,
& Graphing Software

BTS Toolkit
Free iOS and Android App



Software and Apps

- WTS Toolkit
- BTS Toolkit
- Log 100

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 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

Interface force measurement Wireless and Bluetooth Telemetry Systems are available in many design configurations for project designs requiring the highest performance.

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.

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