

WLS-HR Wireless Load Sensor Handheld Receiver

The wireless LoadSense Handheld Receiver - Display is used in conjunction with the LoadSense wireless Load Sensor. It provides the user with an easy way to receive and view data from the Load Sensor.

Up to 9 LoadSense Load Sensors can be selected from the Handheld Receiver and individually displayed. These Load Sensors can be named by plugging the Load Sensor into a PC via USB and using the Load Sensor software. They can then be easily distinguished on the display, which will show the name of the Load Sensor currently being read.

The display shows the name of the current Load Sensor, the load, battery status of readout and Load Sensor and signal strength. By using the menu tree on the readout the user can select which Load Sensor to read, what units to be displayed, tare the data, display peak value and many more functions.

A USB mini B is provided to charge the battery and output data to PC.



Technology

The LoadSense Load Transducer works in the worldwide harmonized band of 2.4 GHz so does not require a licence to operate and uses advanced technologies to enable data to be sent and received error free, these include, forward error correcting and data whitening.

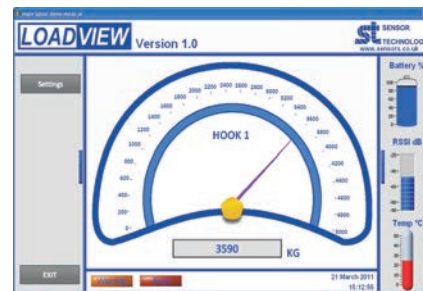
Software

LoadView is an easy to use advanced load monitoring software, available to assist data recording and instrumentation.

Features: 3 types of display. Text files compatible with Matlab and Excel. Real time chart plotting.

LabVIEW VIs are available for users to design their own process control applications.

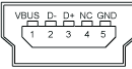
DLLs are also available for users to write their own custom software.



Benefits

- Reads multiple Load Sensors
- Receives data up to a distance of 100m
- Receives data at 10 times a second
- Internal 16MBit memory
- Connect to PC via USB for user setup
- Output data via USB
- Ruggedized rubber case with back stand
- Long life rechargeable battery powered
- Internal over/under limit warning alarm

WLS-HR Handheld Receiver - Data Specification

Parameter		Value									
USB mini B		VBUS	D-	D+	NC	GND	N/A	N/A	N/A	N/A	
Receiver Sensitivity		-89 dBm									
Frequency Range		2425 - 2430 MHz 20 Channels 250kHz steps									
Connector		SMA									
Power Input - DC											
Connector		USB mini B									
Voltage		5 VDC									
Power Input - Battery											
Type		Li-Ion									
Voltage		3.7V 2200mAH									
Charge Time		TBC									
Technical Details											
Environmental Protection		IP54									
Weight		350 Gramms									
Materials		Plastic									
Operating Temp Range		-10°C to + 50°C									
Storage Temp Range		-20°C to + 60°C									
RFI / EMC		To EN301-489 1									

Mechanical Data

