

Load Cell Central

1-800-LOADCEL

Model: WSGx

2.4 GHz Wireless Sensor System

The Load Cell Central WSG series wireless sensor system enables convenient conversion of output signals from standard cabled sensors such as load cells, pressure, and torque transducers as well as control signals 0-10V and 0-20mA (4-20mA).

The WSGx-1, supplied in a small enclosure (75.6 X 59 X 29 mm), uses two "AA" batteries and is suitable for mounting directly on a sensor or in an application with little space available. The slightly larger (160 X 80 X 55 mm) WSGx-2, housed in an industrial enclosure, uses two "D" cell batteries, providing a longer battery life. Transmission distance is the same for either the WSGx-1 or WSGx-2: Up to 200 meters (656 feet, line of sight).

Setup and calibration is done wirelessly via a base station (T24-BSu or T24-BSi, below) connected to a PC or laptop running the provided software (included at no additional cost) for viewing and logging the data from the WSG units.

To complete the system, a variety of interfaces are available, from handheld displays to analog output devices. The compatible devices are listed below. One or more of the interfaces can be used simultaneously to receive data from a single WSG transmitter. For example, for a crane application: Display data remotely with the T24-HS and provide a relay output module with the T24-RMI, which in the event of an overload can sound an alarm and / or stop the lifting operation.



Ordering Guide:

WSGx-x

Input Module (Update Rate):

- 1: Load Cell (200 Hz)
- 2: Load Cell (2,000 Hz)
- 3: Voltage 0 – 10 V (200 Hz)
- 4: Current 0 – 20 mA (200 Hz)

Enclosure:

- 1: Small (2 AA batteries)
- 2: Large (2 D batteries)

Note: Requires either T24-BSu or T24-BSi for configuration unless ordered calibrated to a load cell / scale and compatible interface from LCC.

Load Cell Central
216 Shaw Blvd. / PO Box 91
Monroeton, PA 18832

Web: www.800loadcel.com
Email: sales@800loadcel.com

Toll Free: 1-800-562-3235
Phone: 1-570-265-5015
Fax: 1-570-265-5148

Base Stations:

T24-BSu:

- USB connection
- Desktop enclosure



T24-BSi:

- USB and RS232 / 485 connection
- Industrial enclosure

Displays:

T24-HS:

- Single-channel display

T24-HA:

- Up to 12 inputs and summing

T24-HR:

- Selectable and scan / roam among an unlimited number of inputs



SERIALDIS:

- Single-channel display (requires T24-S0)

Additional WSG Interfaces:



T24-A01:

- Analog output 0-10 V, 4-20 mA, ± 10 V
- Desktop enclosure

T24-A01i:

- Analog output
- Industrial enclosure



T24-PRI:

- Wireless serial printer



T24-RM1:

- Relay output



T24-AR:

- Repeater for extended range or transmission around obstacles



T24-S0:

- RS232 / RS485 output

Software:

T24-S0:

- Setup and calibration software



T24-LOG24:

- Display and log up to 24 modules

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