

Load Cell Summing Made Simple

Spreader Beam for Lifting Long, Awkward Loads

MSI-9300 Porta-Weigh Plus

MSI-6260CS Trans-Weigh

MSI-9750A RF Remote Indicator

MSI-9020 Remote RF Modem

MSI-9020 CellModem for Computer Interface: PC running CVM Software from MSI to monitor and datalog real-time weighing/sensor information. CellScale typical operating range is up to 1000 feet (300m) outdoors.

A unique advantage of the MSI-9750A and MSI-9850 RF Remote Indicators, or a PC running CellScale Virtual Monitor (CVM) software are their multi-line displays that allow an operator to choose which parameters to view; i.e. – the total summed load, each individual scale, or any combination thereof simultaneously (up to eight). Either the MSI-9020 computer combination, MSI-9850 or MSI-9750A can be used to datalog your process information.

Application

Spreader beams are commonly used to lift long, awkward loads from two or more points. Summing the loads from these points for accurate load indication can often present a challenge. No longer the case with CellScale RF technology.

Solution

A simple wireless network is created by utilizing CellScale based Crane Scales at each load point and a CellScale RF Remote Indicator. The network is configured with the crane scales as input channels and a simple math channel is programmed to sum to loads. The remote indicator monitors all channels and provides complete control of the network.

Features and Benefits

The application benefits of this simple CellScale Network Solution are many:

- *Completely Wireless System* – No cables to get tangled (a common concern when summing loads in overhead weighing applications)
- *Flexibility* – Easily reconfigure components where needed
- *Portability* – Not fixed to a specific location; use throughout facility
- *Real Time Data Transfer* – See the weight indication in real-time
- *Reliability* – Frequency Hopping Spread Spectrum in 64 channels at 2.4 GHz
- *RF Calibration* – Save time and money
- *Increase Safety* – Quickly detect

unbalanced and overload situations and program set points and audible alarms with the operator at a safe distance from potentially dangerous load conditions

- *Expandable* – Additional crane scales (MSI-6260CS, MSI-9300 or MSI-9300HT), CellScales (MSI-9000), load pins, remote indicators (MSI-9750A and MSI-9850), and CellModem (MSI-9020) for scoreboard, printer, PLC and computer interface can be added to the network at any time

Contact MSI now for more information on CellScale Network Solutions and/or to arrange an application review and proposal.