

**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 CellModem for Office Computer Interface; PC Running CVM Software from MSI to monitor and datalog real-time weighing/sensor information. CellScale Operating Range is 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 there of simultaneously (up to eight). Either the MSI-9020/Personal 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.

**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 they are needed
  - *Portability* – Not fixed to a specific location; use throughout facility
  - *Real Time Data Transfer* – See the total picture now
  - *Reliability* – Frequency Hopping SpreadSpectrum in 64 channels at 2.4 GHz.
  - *Calibration* – Via RF, save time and money
  - *Increase Safety* – Detect unbalanced and overload situations and quickly

program set points and audible alarms; operators at safe distance from potentially dangerous loads

- *Expandability* – Additional crane scales (MSI-6260CS, MSI-9300 or MSI-9300HT), CellScales (MSI-9000), load pins, remote indicators (MSI-9750A), fixed based meters (MSI-3750CS or MSI-9850), and CellModems (MSI-9020 for scoreboard, printer, PLC and computer interface) can be easily added to the network at any time

CellScale – Redefining Solutions for Industrial Weighing and Process Control.

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