Certificate of Conformance 05-077

WIRELESS WEIGHING FROM MSI

MSI-9750A
Handheld RF Digital Indicator

Network Solutions for Industrial Weighing and Process Control

Product Description

The MSI-9750A Handheld RF Digital Indicator supports all CellScale features allowing it to function as a full-featured portable terminal. Operation is simple with the alphanumeric keypad that features 7 control and 6 user programmable keys. Powered by a 6 cell NiMH battery pack, the MSI-9750A includes a built in charger board that can recharge the internal battery in 2 hours or less with the universal AC adapter.

Each MSI-9750A can log on to 64 different networks allowing it to serve multiple CellScales with easy one-button network and/or channel (sensor/scale) changes. Inter-Network Radio Messaging allows the MSI-9750A to receive and transmit RF messages from its internal communications port to/from your process controller. Enhanced data acquisition, sophisticated data logging with interactive bar code data transfer, and complete display of multiple sensors/scales can be initiated and managed with the MSI-9750A.

Never before has so much utility and application flexibility been packaged in a portable handheld device. See also specification sheets for MSI-9000, MSI-9020, MSI-9850, MSI-3750CS and MSI Crane Scales (MSI-6260CS, MSI-9300, MSI-9300HT and MSI-9260) for complete capabilities and networked wireless solutions.

Specifications

Housing
Rugged Molded PVC, O-ring gasket. IP54, NEMA 3. Includes lanyard ring

Dimensions
117mm x 262mm x 60.5mm
(4.6in x 10.3in x 2.4in)

Weight
1kg (2.2lb)

Temperature
-20°C to +60°C Operating (-4°F to 140°F)
-30°C to +80°C Storage (-22°F to 176°F)

Approvals
NTEP

Radio Link
Frequency hopping spread spectrum @ 2.4 GHz provides 64 networks of scales and peripheral devices. Radio functions in the ISM band, license free in the USA and Europe. 10mW (low power), 63mW (medium power) or 250mW (high power) average output

Radio Link Effective Range
Typically 150m (500ft) indoors, 300m (1000ft) outdoors with standard antennas

RFI/EMI Shielding
Exceeds NIST HB44 and CE Standards

Power
Rechargeable 6 cell NiMH battery pack (AC Adapter/Battery Charger Input Included)

Operating Time
Up to 8 hours depending on backlight use. Selectable automatic shut off for battery power savings

Standard Features

Data Logging
Captures weighment data automatically or manually. Logged data is transferred from the MSI-9750A through its Comm Port. All standard baud rates supported

Bar Code Scanner Interface
Permits bar code scanners to connect directly to the MSI-9750A

Inter-Network Radio Messaging
Receives and transmits RF messages to any virtual (MSI-9020 CellModem) or directly to the master CellScale Comm Port 1

Scale Monitoring
Monitors all scale channels, easy one button network and/or channel changes. Supports multiple display of CellScale Channels (up to 8 simultaneously)

Calibration
Calibrates CellScale systems remotely

Keypad
24 keys – 11 key alphanumeric, 7 control keys and 6 user programmable keys. The user can lock features to prevent tampering with setups. Password Protected

Display
36mm (1.4in) x 67mm (2.6in) backlight LCD capable of 8 lines, 21 characters each. Backlight selectable On, Off or Automatic. Red / Green LED battery charging indicator

Real Time Clock
Supports date/time stamping in USA and European formats

Data I/O
1 Comm Port, RS-232. Baud rates 300 to 230.4k. Provides full output formatting to interface with computers, printers, scoreboards and most serial devices. Serial Bar Code or Magnetic Scan Reader interface provided

Totalizing, Statistics and Product ID's
Stored in the CellScale, displayed on the MSI-9750A (Function Key or Automatic). Each ID code retains full statistics on totaled weighments. Up to 32 alphanumeric Product ID's can be accessed and programmed.

Connectors
Charger Input: Standard 2.5mm coaxial.
RS-232: Standard DE-9 male

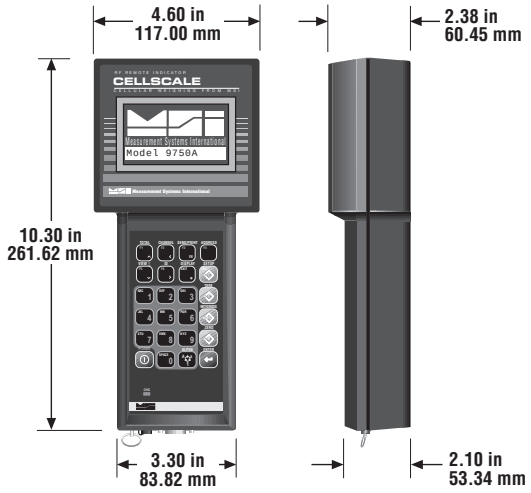
Audible alarm

Pushbutton Functions

Fixed keys:
Power: On/Off
Zero: Zeros weight on scale
Net/Gross: Switches display between Net and Gross weights
Tare: Tares applied load and displays the weight in Net mode
Alpha: Upper and lower case alpha character entry
Enter: Store parameters, enter menus, selects highlighted item, permits editing or selection of alternate functions
Setup/Escape: Setup functions or return to previous menus
Clear: Clears last entry
Exit: Exits menu mode
0-9: with Alpha characters.

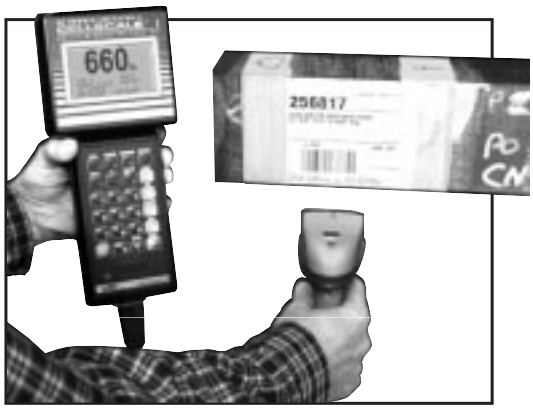
Function Keys: 6 function keys are settable to any of the following functions:
Total: Totalizes weighments
Clear Last Total: Removes last totalized weighment
Show: Next channel, last channel, next address, last address, next product ID, last product ID, totals, grand totals (Â) or statistics.
Date and Time: Displays current date and time
Enter/Edit: Product ID print strings 1 and 2
Send/Edit Print Strings: Sends/edits print strings to selectable targets
Change Units: Changes units of measure
Set Points: Controls and programs CellScale Set Points – 32 Set points with messaging capability
Peak Hold: Turns peak hold function "On" or "Off" – used for capturing maximum readings (for high speed capture rates, consult factory)
Key Disabled: Disables selected function key
Signal Strength Test: Tests for RF coverage
Display Test Characters: Performs display test of all screens

MSI-9750A Specifications and Dimensions



FRONT VIEW SIDE VIEW

MSI-9750A RF REMOTE INDICATOR DIMENSIONS



MSI-9750A SHOWN WITH
OPTIONAL BAR CODE SCANNER

Function Keys (Continued):
Data Logging: Enables automatic or manual data logging
Bar Code Scanner Interface: Allows user access to bar code strings
Inter-Network Radio Messaging: Transmit messages to any virtual Comm Port (MSI-9020 CellModem) or directly to the master CellScale Comm Port 1

Options and Accessories

NTEP Approved Version
Class III / IIIL certified. Units come preset in the NTEP operating mode

AC Adapter/Battery Charger Input (Included)
Universal battery charger input; 90-264 VAC, 47-63Hz (charges internal NiMH battery in 2 hours or less). Includes power cord; specify country of origin for plug type

Automotive Adapter/Battery Charger Input
12 VDC, fused 5A

Bar Code Scanner
Several options available (consult factory regarding requirements)

Johnson Scale Co.
235 Fairfield Ave.
West Caldwell, NJ 07006
(800) 572-2531
www.johnsonscale.com

"We weigh quality first"

Measurement Systems International

CE MADE IN THE USA

Specifications subject to change without notice.

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