

The MSI-4300 is The MSI-9300 and MSI-9300HT crane scales combine an integrated weight display with advanced wireless data processing capability providing versatile solutions in overhead industrial weighing applications. Both crane scale configurations merge MSI's advanced CellScale technology with world-renowned crane scale designs providing local and remote control capabilities along with connectivity with plant information systems.



#### Capacity x Readability

Non Legal Mode: 30000 lb x 10 lb

Legal For Trade: 30000 lb x 10 lb

Manufacture: MSI

SKU: **138410**

Dimensions

X: 28.70 Y: 9.00 Z: 14.00



Legal for Trade

**Please Call**  
**(800)832-0055**

## Features

The MSI-9300 and MSI-9300HT crane scales combine an integrated weight display with advanced wireless data processing capability providing versatile solutions in overhead industrial weighing applications. Both crane scale configurations merge MSI's advanced CellScale technology with world-renowned crane scale designs providing local and remote control capabilities along with connectivity with plant information systems.

Both models feature industrial-grade, shock-mounted electronics, watertight packaging with large ultra-bright displays readable at distances up to 50 feet (15 m). Integrated CellScale technology offers the ability to effectively monitor and control single or multiple crane scales from multiple locations throughout plant operations. Wireless, real-time transmission of weight and product information can be processed through a system-configured network of CellScale components from distances up to 1000 feet (300 m) with standard antennas. Operating range can be further increased with optional antennas configured with other networked CellScale components.

Both fixed and handheld digital weight indicators are available in addition to RF modems for wireless connectivity with peripheral computers and scoreboards. Optional 802.11b/g Ethernet connectivity is also supported for adaptation and integration with existing plant information systems.

The MSI-9300 is available in a standard range of capacities, up to 50 tons. Larger and application specific designs are available for capacities over 50 tons. Additional options and configurations are also available for mill and foundry over high temperature ladle installations

The MSI-9300HT (High Torque) is a unique crane scale configuration specially designed for heavy capacity coil handling applications, up to 35 tons. A fixed hook is featured for interface compatibility with crane hooks equipped with powered rotation and where high torque conditions exist between the crane hook and load.

Please see specifications for other CellScale family components complementing the MSI-9300 and MSI-9300HT, including: MSI-9000, MSI-9020, MSI-9850, MSI-9750A and MSI RF scoreboards. CellScale products provide configurable system solutions to satisfy nearly any wireless weighing application.

**Optional MSI-9300 Retrofit Kit** MSI-9300 Retrofit Kit integrates CellScale™ technology with existing MSI-4300 Port- A-Weigh Plus crane scales. The retrofit kit replaces the existing front and back castings of the MSI-4300. After conversion, the new MSI-9300 adapts easily into any CellScale network.

### Standard Features

- Crane unit with 2.4 GHz Spread Spectrum transceiver
- Six-digit, 1.2 in. (30 mm) LED display and annunciators
- Top lifting eye or shackle, bottom thrust bearing swivel hook
- 12 volt rechargeable battery and universal 115/230 VAC, 50/60 Hz battery charger (NA Plug Standard)
- Note: Communicates with MSI-9850, MSI-9750A or MSI scoreboard. Each sold separately.
- Meets or exceeds OSHA, ANSI, ASME and other safety design standards (5:1 Ultimate Safety Factor)

### Options and Accessories

- RF remote crane unit control (control for On/Off, Zero, Tare, Net/Gross, Total and programmable function keys)
- MSI-9850 or MSI-9750A RF Portable Digital Indicators
- Substitute bottom swivel hook with shackle
- Oversized top lifting eye or shackle
- Oversized bottom hook

- Anti-heat shielding for high temperature applications
- Universal direct power supply; 85-265 VAC, 47-440 Hz / 130-300 VDC
- Low headroom adapter
- Audible alarm
- NTEP approved configuration
- Wireless 802.11 b/g Ethernet connectivity
- MSI-9300 retrofit kit - upgrade existing MSI-4300 crane scale to MSI-9300 RF

Specifications

Model	502654-0001	502654-0002	502654-0003	502654-0004	502518-0005	502518-0006	502518-0015	502518-0016	502518-0017
Capacity x Readability	500 x 0.2 lb	2000 x 1.0 lb	5000 x 1.0 lb	10,000 x 2.0 lb	20,000 x 5.0 lb	30,000 x 10 lb	50,000 x 10 lb	70,000 x 20 lb	100,000 x 20 lb
	250 x 0.1 kg	1000 x 0.5 kg	2500 x 0.5 kg	5000 x 1.0 kg	10,000 x 2.0 kg	15,000 x 5 kg	25,000 x 5 kg	35,000 x 10 kg	50,000 x 10 kg
Accuracy	+ (0.1% +1 d) of applied load								
Resolution	3000 to 5000 d standard (Up to 10,000 d available)								
Legal for trade	CC# 07-007								-
Enclosure	NEMA 4/IP66, Double O-ring gasketed, Marine-grade 356 alloy								
Top Lifting Eye or Shackle	Crosby® or equivalent								
Hook	Crosby® thrust bearing swivel hook or equivalent								
Safe Overload	200% of rated capacity								
Ultimate Overload	500% of rated capacity (except as noted on specification sheet)								
Display	Six digit, 1.2 in (30 mm) high weight and data LED, 14 backlit LED annunciators, automatic brightness adjustment								
Units	Pounds or Kilograms selectable								
Power	Standard:12V rechargeable battery (115–230 VAC, 50/60 Hz universal battery charger)								
Operating Time	40+ hours depending on programmed operating mode								
Operating Temperature	-4°F to 158°F (-20°C to 70°C)								
Operating Range	Typically 500 ft (150 m) indoors, 1000 ft (300 m) outdoors								
Calibration:	Via RF or Input Comm Port. Calibration is accomplished through a PC terminal program. Calibration is also available using the MSI-9850 and MSI-9750A indicators								
Filtering	Low, medium or high - selectable								
Comm Port	Used for calibration purposes and system configuration management								
Radio Link	Frequency hopping spread spectrum at 2.4 GHz provides 64 networks of scales and peripheral devices. Radio functions in the ISM brand, license free in the USA and Europe. 10 mW (low power), 63 mW (medium power) or 250 mW (high power) average output								
Data I/O	Scale data is available through RF interface								
Totalization and Statistics	Push button or automatic. Extensive total and statistics capabilities are provided on the MSI-9300 when CellScale digital weight indicators are part of the wireless network								
Real Time Clock	Date/time in USA or European formats. Clock data available via RF interfaces (MSI-9850 and MSI-9750A)								

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