

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**  
70000 lb x 20 lb

Manufacture: MSI

SKU: **138441**

Dimensions

X: 28.70 Y: 9.00 Z:  
14.00

**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, 30 mm (1.2 in) LED display and annunciators
- Top shackle interface and fixed bottom hook (Note: Top shackle not included, see Options)
- Hi-Torque load train designed for use with powered rotation (Note: Communicates with MSI-9850, 9750A or MSI RF Scoreboard. Each sold separately)

### Options and Accessories

- RF remote crane unit control, includes On/Off, Zero, Tare, Net/Gross, Total, and programmable function keys
- Anti-Heat shielding for high temperature applications
- Substitute bottom hook with shackle
- Oversized top or shackle
- Oversized bottom hooks
- Universal direct power supply; 85-265 VAC, 47-440 Hz / 130-300 VDC
- Wireless 802.11 b/g Ethernet connectivity
- Low headroom adapter

## Specifications

Model	502519-0001	502519-0002
Capacity x Readability	30,000 x 10 lb	70,000 x 20 lb
	15,000 x 5 kg	35,000 x 10 kg
Accuracy	+ (0.1% +1 d) of applied load	
Enclosure	NEMA 4/IP66, Double O-ring gasketed, Marine-grade 356 alloy	
Top Lifting Shackle	Crosby® or equivalent (not included, available as option)	
Hook	Crosby® fixed hook or equivalent (specify orientation if needed)	
Safe Overload	200% of rated capacity	
Ultimate Overload	500% of rated capacity	
Display	Six digit, 1.2 in (30 mm) high weight and data LED, 14 backlit LED annunciators, automatic brightness adjustment	

<b>Units</b>	Pounds or Kilograms selectable
<b>Power</b>	Standard:12V rechargeable battery (115–230 VAC, 50/60 Hz universal battery charger)
<b>Operating Temperature Range</b>	-4°F to 158°F (-20°C to 70°C)
<b>Operating Range</b>	Typically 500 ft (150 m) indoors, 1000 ft (300 m) outdoors
<b>Calibration</b>	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
<b>Filtering</b>	Low, medium or high - selectable
<b>Comm Port</b>	Used for calibration purposes and system configuration management
<b>Operating Time</b>	40+ hours depending on programmed operating mode
<b>Radio Link</b>	Frequency hopping spread spectrum at 2.4 GHz provides 64 networks of scales and peripheral devices. Radio functions in the ISM band, license free in the USA and Europe. 10 mW (low power), 63 mW (medium power) or 250 mW (high power) average output
<b>Totalization and Statistics</b>	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
<b>Data I/O</b>	Scale data is available through RF interface
<b>Real Time Clock</b>	Date/time in USA or European formats. Clock data available via RF interfaces (MSI-9850, MSI-9750A)

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