

MSI-8000

RF Remote Display

MSI-8000HD

Indicator/RF Remote Display



COMPATIBLE WITH:



MSI-3460 Challenger 3



MSI-4260 Port-A-Weigh



MSI-7300 Dyna-Link 2



TranSend



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MSI-8000 and MSI-8000HD

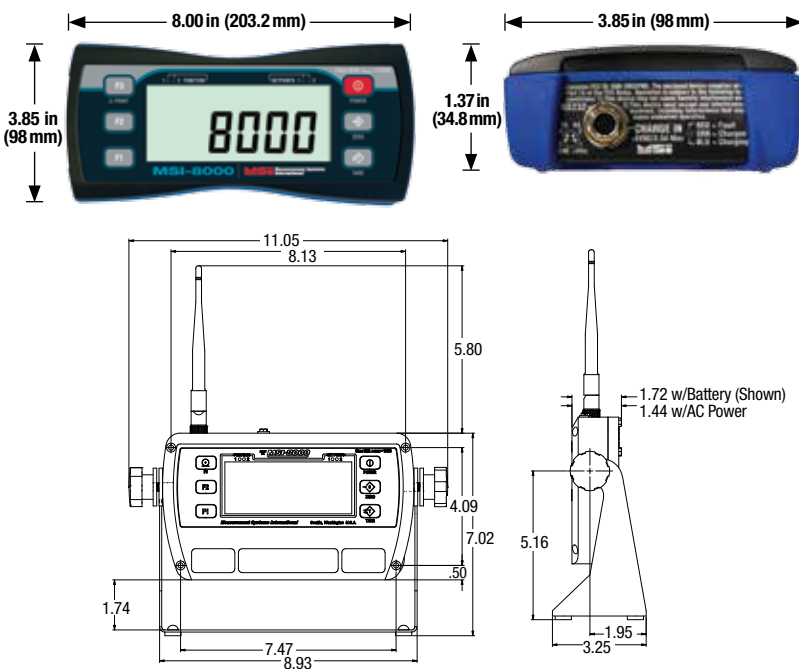
RF REMOTE DISPLAY and INDICATOR/RF REMOTE DISPLAY

Long Distance Communication with Ultimate Versatility

The MSI-8000 and MSI-8000HD make wireless control easy with the ability to operate weighing systems from a distance. The wireless remote displays can be used for viewing MSI ScaleCore-based crane scales and dynamometers, including any RF compatible MSI-3460 Challenger 3, MSI-4260 Port-A-Weigh overhead crane scale, or MSI-7300 Dyna-Link 2 tension dynamometer. Both devices are compact and carry an RF effective range of 300 feet (line of sight) and operate on a license-free 2.4 GHz frequency. With user-friendly keypads, standard function keys for both devices include: On/Off, Zero, Tare and Print. In addition, two user-defined keys are included for peak hold, high resolution, total, view total, net/gross, and units switching. Three selectable setpoints come standard in both models, with two of the selectable setpoints utilizing the programmable user-defined keys.

The MSI-8000 features a heavy-duty NEMA 4/IP65 enclosure, making it ideal for use in nearly any operating environment. The MSI-8000 features a large six-digit, one-inch LCD display for improved visibility, and a user-friendly keypad for simple configuration and operation. Just one MSI-8000 communicates wirelessly with up to four compatible MSI devices and an integrated RS-232 data port allows the MSI-8000 to easily interface with peripheral devices such as printers, PCs and scoreboards. Power to the MSI-8000 is supplied by an internal rechargeable lithium polymer battery, which provides up to 24 hours of continuous use between charging.

The MSI-8000HD is the heavy-duty version of the MSI-8000. The milled anodized aluminum, NEMA 4/IP68-rated, enclosure is mountable as either a direct panel mount or with an optional tilt stand. The fully waterproof construction resists most elements, making it especially appealing to the petro-chemical, energy, marine and aerospace industries. The MSI-8000HD is fully ergonomic and its bold six-digit, one-inch display provides easy usability and readability. Process control and safety systems benefit with optional relays installed to optimize workflow and operator ease. The MSI-8000HD may be used as a fully functional weigh meter with the optional inclusion of a precision 24-bit A/D and has RF capability to transmit data to a secondary MSI-8000 or MSI-8000HD remote display. Wi-Fi, Ethernet and serial option cards are available for direct connections to networks and computers for advanced traceability and reporting.



Standard Features

- Membrane keypad for user control functionality
- User definable function keys for added versatility

Options and Accessories

- Audible alarm
- RS-232 serial-output cable with D-9 connector; 13 ft (4 m)
- RS-232 serial-output cable (unterminated); 13 ft (4 m)

MSI-8000

- Dual-purpose RS-232 serial communication and battery charging cable assembly; 13 ft (4 m)
- RS-232 serial cable for hardwire connectivity with MSI-7300 Dyna-Link; 26 ft (8 m)

MSI-8000HD

- IP68 rugged milled aluminum enclosure
- Tilt stand
- Various antenna types and coax extension cables for increased range or remote mounting the antenna.
- Dual 250 VAC at 4A I-Form-A relays. Also available in SSR form
- Ethernet TCP/IP

Specifications

Keypad:	On/Off, zero (100%), tare, print, and two user-defined keys for the following functions: peak hold, high resolution, total, view total, net/gross, units switching
Display:	Six-Digit 1 in (26.4 mm) LCD
Units Displayed:	Pounds, kilograms, tons, metric tons, kilonewtons
Internal Battery:	14° to 140°F (-10° to 60° C)
Operating Temp:	-4° to 140°F (-20° to 60° C)
RF Radio Link:	2.4 GHz 802.15.4
RF Radio Link Effective Range:	Up to 100 feet (33 m)
Annunciators:	Stable, COZ, low battery, peak, net, kg, kN, lb, M, Ton, setpoint, function LEDs, channels: 1, 2, 3, 4 and TTL

MSI-8000

Enclosure:	NEMA 4, IP65
Weight:	0.98 lbs (445 grams)
Power:	Integral lithium polymer battery
Operating Time:	Up to 24 hours of continuous use (15 minute auto-shutoff with non-use)
Connector:	Four-Pin M8 connector for charging and RS-232 communication

MSI-8000HD

Enclosure:	NEMA 4/IP68 milled anodized aluminum with O-Ring gaskets
Data I/O:	Dual RS-232 comm ports
Power Input:	90-264VAC, 9-36VDC or internal lithium battery.
RF Remote Channels:	Up to four remote sensors, monitored individually, in pairs, or sum all (non-A/D version only)
Service Counters:	A/D versions only
A/D inputs:	Two independent or summing load cell inputs (specific models only)
Excitation (A/D version only):	4.8V current limited and over-voltage protected
Filtering:	Off, low, hi-1, hi-2

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Specifications subject to change without notice.



Part Number/Price

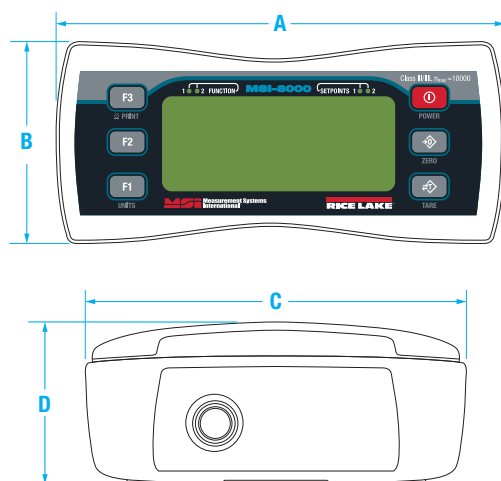
Part #	Description	Est. Weight	Price
139381	MSI-8000 RF remote display	5 lb	Consult

Options/Accessories

Part #	Description	Est. Weight	Price
149549	Universal 115/230 VAC 50/60 Hz (NA plug standard) battery charger for MSI-8000 RF remote display	3 lb	Consult
149550	Universal 115/230 VAC 50/60 Hz (EC plug standard) battery charger for MSI 8000 RF remote display	1 lb	Consult
150964	DB9 female serial interface cable for MSI-8000 RF remote display	1 lb	Consult
151095	Audible alarm	—	Consult

Dimensions

MSI-8000			
A	8.00 in (203 mm)	C	3.85 in (98 mm)
B	3.85 in (98 mm)	D	1.37 in (35 mm)



Standard Features

- Compatible with all ScaleCore™ based products including: MSI-7300 Dyna-Link 2, MSI-3460 Challenger 3, MSI-4260 Port-A-Weigh, MSI-7000 and MSI-7001 TranSend™, MSI-9600HT and MSI-6360
- LCD display
- Membrane keypad for remote control functionality
- User-definable function keys for added versatility
- Universal 115/230 VAC, 50/60 Hz battery charger (NA plug standard)

(Contact MSI for application consultation)

Specifications

Enclosure:

NEMA Type 4, IP65

Weight:

0.98 lb (445 g)

Keypad:

On/Off, Zero (100%), Tare, Print and two user-defined keys for the following functions: peak hold, high resolution, total, view total, net/gross, units switching

Display:

Six-digit 1.0 in (26.4 mm) LCD screen

Units Displayed:

Pounds, kilograms, tons, metric tons, kilonewtons

Annunciators:

Stable, COZ, low battery, peak, net, kg, kN, lb, M, ton, setpoint, function LEDs

Power:

Integral lithium-ion battery
Universal 115/230 VAC, 50/60 Hz battery charger (NA plug included)

Operating Time:

Up to 24 hours of continuous use (15 minute auto-shutoff with non-use)

Operating Temperature:

-4 °F to 140 °F (-20 °C to 60 °C)

RF Radio Link:

2.4 GHz 802.15.4
Communicates with RF 3460, 4260, 7300, 7000 & 7001

RF Effective Range:

Typically 100 to 300 ft, line of sight; for longer range consult factory

Connector:

Four-pin Turck connector for charging and RS-232 communication

Warranty:

One-year limited