

MSI-8000HD

Digital Weight Indicator



Standard Features

- Indicator or RF remote display with six-digit 1.0 in (26.4 mm) LCD screen
- IP68 milled aluminum enclosure
- Membrane keypad for remote-control functionality
- User definable function keys for added versatility
- 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
- Swivel tilt stand

Optional Features

- Up to 8 configurable relay outputs
- Wi-Fi communications
- Bluetooth® communications
- 802.15.4 Serial RF
- FHSS

Approvals



Specifications

Enclosure:

NEMA Type 4, IP68 milled anodized aluminum with O-ring gaskets

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

Units Displayed:

Pounds, kilograms, tons, metric tons, kilonewtons

Annunciators:

Stable, COZ, peak, kg, kN, lb, M, ton, setpoint, function LEDs. Channels: 1, 2, 3, 4, TTL

Power:

90-267 VAC, 9-36 VDC, 18-72 VDC, 120-300 VDC
Optional battery power module available

Operating Temperature:

-4°F to 140°F (-20°C to 60°C)

RF Remote Channels:

Up to four remote sensors, monitored individually, in pairs or sum all (non-A/D version only)

Service Counters

A/D version only

A/D Inputs:

Two independent or summing load cell inputs

Excitation:

4.8V current limited and over-voltage protected

Filtering:

Off, Low, Hi-1, Hi-2

RF Radio Link:

2.4 GHz 802.15.4

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

RF Effective Range:

Typically 100 or more feet (33 m)

Data I/O:

Dual RS-232 comm ports

Wired Ethernet:

Up to 8 configurable relay outputs

Optional Communications:

Wi-Fi
Bluetooth®
Serial RF, Frequent Hopping Spread Spectrum Optional

Warranty:

One-year limited warranty

Approvals:

NTEP COC#15-110

Part Number/Price

Part #	Description	Est. Weight	Price
153591	MSI 8000HD ScaleCore RF/Remote Display/85-265 VAC	5 lb (2.5 kg)	Consult
154853	MSI 8000HD ScaleCore RF/Remote Display/Internal Battery	5 lb (2.5 kg)	Consult
160476	MSI 8000HD ScaleCore RF/Remote Display/7-36 VDC	5 lb (2.5 kg)	Consult
159377	MSI 8000HD ScaleCore RF/Remote Display/18-72 VDC	5 lb (2.5 kg)	Consult
159376	MSI 8000HD ScaleCore RF/Remote Display/9-36 VDC	5 lb (2.5 kg)	Consult
158427	MSI 8000HD Meter/2 A/D Inputs/85-265 VAC (non RF)	5 lb (2.5 kg)	Consult
158428	MSI 8000HD Meter/2 A/D Inputs/Internal Battery (non RF)	5 lb (2.5 kg)	Consult
160478	MSI 8000HD Meter/2 A/D Inputs/7-36 VDC (non RF)	5 lb (2.5 kg)	Consult
159381	MSI 8000HD Meter/2 A/D Inputs/18-72 VDC (non RF)	5 lb (2.5 kg)	Consult
159380	MSI 8000HD Meter/2 A/D Inputs/9-36 VDC (non RF)	5 lb (2.5 kg)	Consult
158425	MSI-8000HD RF Meter/2 A/D Inputs/85-265 VAC	5 lb (2.5 kg)	Consult
158426	MSI-8000HD RF Meter/2 A/D Inputs/Internal Battery	5 lb (2.5 kg)	Consult
160477	MSI 8000HD RF Meter/2 A/D Inputs/7-36 VDC	5 lb (2.5 kg)	Consult
159379	MSI 8000HD RF Meter/2 A/D Inputs/18-72 VDC	5 lb (2.5 kg)	Consult
159378	MSI 8000HD RF Meter/2 A/D Inputs/9-36VDC	5 lb (2.5 kg)	Consult
176957 *	MSI 8000HD BT Meter/85-265 VAC	5 lb (2.5 kg)	Consult
176958	MSI 8000HD Wi-Fi Meter/85/265 VAC	5 lb (2.5 kg)	Consult
176959 *	MSI 8000HD BT Meter/Internal Battery	5 lb (2.5 kg)	Consult
176960	MSI 8000HD Wi-Fi Meter/Internal Battery	5 lb (2.5 kg)	Consult
176962 *	MSI 8000HD BT Meter/7-36 VDC	5 lb (2.5 kg)	Consult
176964	MSI 8000HD Wi-Fi Meter/7-36 VDC	5 lb (2.5 kg)	Consult
176965 *	MSI 8000HD BT Meter/9-36 VDC	5 lb (2.5 kg)	Consult
176966	MSI 8000HD Wi-Fi Meter/9-36 VDC	5 lb (2.5 kg)	Consult
176967 *	MSI 8000HD BT Meter/18-72 VDC	5 lb (2.5 kg)	Consult
176968	MSI 8000HD Wi-Fi Meter/18-72 VDC	5 lb (2.5 kg)	Consult

* Bluetooth modems only work with certain Android devices. Please contact Rice Lake for potential applications.

Options/Accessories

Part #	Description	Price
155173	MSI-8000HD spare tilt stand option kit	Consult
155193	MSI-8000HD Ethernet TCP/IP option kit wired	Consult
162178	Antenna extension kit	Consult
148624	MSI-8000HD serial RS-232 cable	Consult
158779	MSI-8000HD two each coil relay option kit, 250 VAC/30 VDC 5A or 100 VDC 0.4A	Consult
158780	MSI-8000HD two each solid state relay option kit, 60 Vpk 2.7A	Consult
158781	MSI-8000HD two each solid state relay option kit, 200 Vpk 0.9A	Consult
149549	Universal 115/230 VAC 50/60 Hz (NA plug standard) battery charger for MSI-8000HD battery powered device	Consult
149550	Universal 115/230 VAC 50/60 Hz (international plugs) battery charger for MSI-8000HD battery powered device	Consult
176963	Reverse RS-232 cable	Consult
Relays		
172490	Expanded Relay Kit, Four-Channel, 12A 5V, Latching Relays	Consult
172492	Expanded Relay Kit, Four-Channel, 12A 5V, Momentary Relays	Consult
172493	Expanded Relay Kit, Four-Channel, 3A 60Vpk, AC/DC Solid State Relays	Consult
172494	Expanded Relay Kit, Four-Channel, 0.9A 200Vpk, AC/DC Solid State Relays	Consult
172495	Expanded Relay Kit, Eight-Channel, 12A 5V, Momentary Relays	Consult
172497	Expanded Relay Kit, Eight-Channel, 3A 60Vpk, AC/DC Solid State Relays	Consult
172498	Expanded Relay Kit, Eight-Channel, 0.9A 200Vpk, Solid State Relays	Consult
172500	Expanded Relays Option Kit, Four-Channel, 3A, 60Vpk Solid State Form C Relays	Consult
172501	Expanded Relays Option Kit, Eight-Channel, 3A 60Vpk, Solid State Form C Relays	Consult
172502	Expanded Relays Option Kit, Eight-Channel, 0.9A 200Vpk, Solid State Form C Relays	Consult
171676	Expanded Relays Option Kit, Eight-Channel, 12A 5V, Latching Relays	Consult