

# MSI-8000HD

Digital Weight Indicator



## Standard Features

- Indicator or RF remote display with six-digit 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 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, 26,4 mm

### 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:

-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:

4,8 V 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 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	2.5 kg	Consult
154853	MSI 8000HD ScaleCore RF/Remote Display/Internal Battery	2.5 kg	Consult
160476	MSI 8000HD ScaleCore RF/Remote Display/7-36 VDC	2.5 kg	Consult
159377	MSI 8000HD ScaleCore RF/Remote Display/18-72 VDC	2.5 kg	Consult
159376	MSI 8000HD ScaleCore RF/Remote Display/9-36 VDC	2.5 kg	Consult
158427	MSI 8000HD Meter/2 A/D Inputs/85-265 VAC (non RF)	2.5 kg	Consult
158428	MSI 8000HD Meter/2 A/D Inputs/Internal Battery (non RF)	2.5 kg	Consult
160478	MSI 8000HD Meter/2 A/D Inputs/7-36 VDC (non RF)	2.5 kg	Consult
159381	MSI 8000HD Meter/2 A/D Inputs/18-72 VDC (non RF)	2.5 kg	Consult
159380	MSI 8000HD Meter/2 A/D Inputs/9-36 VDC (non RF)	2.5 kg	Consult
158425	MSI-8000HD RF Meter/2 A/D Inputs/85-265 VAC	2.5 kg	Consult
158426	MSI-8000HD RF Meter/2 A/D Inputs/Internal Battery	2.5 kg	Consult
160477	MSI 8000HD RF Meter/2 A/D Inputs/7-36 VDC	2.5 kg	Consult
159379	MSI 8000HD RF Meter/2 A/D Inputs/18-72 VDC	2.5 kg	Consult
159378	MSI 8000HD RF Meter/2 A/D Inputs/9-36VDC	2.5 kg	Consult
176957 *	MSI 8000HD BT Meter/Remote Display/85-265 VAC	2.5 kg	Consult
176958	MSI 8000HD Wi-Fi Meter/Remote Display/85/265 VAC	2.5 kg	Consult
176959 *	MSI 8000HD BT/Remote Display/Internal Battery	2.5 kg	Consult
176960	MSI 8000HD Wi-Fi/Remote Display/Internal Battery	2.5 kg	Consult
176962 *	MSI 8000HD BT/Remote Display/7-36 VDC	2.5 kg	Consult
176964	MSI 8000HD Wi-Fi/Remote Display/7-36 VDC	2.5 kg	Consult
176965 *	MSI 8000HD BT/Remote Display/9-36 VDC	2.5 kg	Consult
176966	MSI 8000HD Wi-Fi/Remote Display/9-36 VDC	2.5 kg	Consult
176967 *	MSI 8000HD BT/Remote Display/18-72 VDC	2.5 kg	Consult
176968	MSI 8000HD Wi-Fi/Remote Display/18-72 VDC	2.5 kg	Consult

\* Bluetooth modems only work with certain Android devices. Please contact office 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
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
<b>Relays</b>		
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