

# MSI-8004HD

Indicator/RF LED Remote Display



## Standard Features

- IP65 rugged milled aluminum enclosure
- Backlit membrane keypad for user functioning and controls
- Tilt bracket included

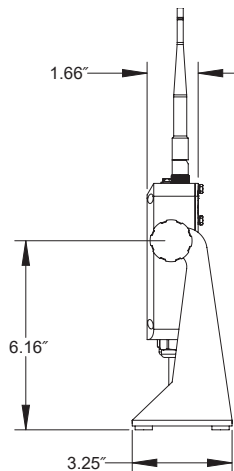
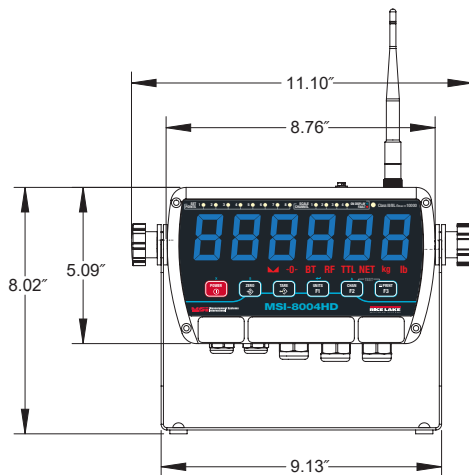
## Options

- Expanded relay outputs
- Battery pack for mobile operation
- Second radio module for additional network connectivity

## Approvals



Measurement  
Canada  
Approved



## Specifications

### Display

Six-digit, 1.5 in (38 mm) LED display with red/green coloring

### Enclosure:

NEMA Type 4, IP65 milled anodized aluminum

### Keypad:

On/Off, Zero, Tare, Print and two user-defined keys

### Functions:

Peak hold, high resolution, total, view total, net/gross, units switching

### Units

Pounds, kilograms, tons, metric tons, kilonewtons

### Annunciators:

Stable, CO<sub>2</sub>, kg, lb, setpoint, channel LEDs,

### Channels

1, 2, 3, 4, TTL

### Power:

90-267 VAC, 9-36 VDC, 18-72 VDC, 120-300 VDC, 8-32V, external battery options

### Temperature:

-4° F to 140° F (-20° C to 60° C) (Industrial)

### RF Remote Channels:

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

### Service Counters:

A/D version only

### A/D Inputs:

Four independent or summing load cell inputs

### Relays:

Two 5V coil, 250VAC, 5A relays

### 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, optional second channel for Serial RF, 802.11 Wi-Fi, cellular connectivity or Bluetooth®

### RF Effective Range:

Typically 300 ft (91.44 m) line of sight

### Data I/O:

Two RS-232 hard wired communication ports

### Approvals:

NTEP COC #17-036, Measurement Canada

### Warranty:

One-year limited warranty

**Part Number/Price**

Indicator		
Part #	Description	Price
178265	MSI-8004HD Indicator, 4CH AC, Red/Green 85~264VAC, 47~440 Hz, 120~370VDC	Consult
178269	MSI-8004HD Indicator, 4CH DC 8-32V, Red/Green Best for external 12V SLA Batteries	Consult
178271	MSI-8004HD Indicator, 4CH DC 9-36V Iso, Red/Green Do not use on 12V Vehicle Systems	Consult
178274	MSI-8004HD Indicator, 4CH DC 18-75V Iso, Red/Green	Consult
178278	MSI-8004HD Indicator, 4CH DC 5V, Red/Green For use with external 15W, 5V Power Supplies	Consult
183481	MSI-8004HD Indicator, 4CH 5V Red/Green with external rechargeable battery	Consult
Remote Display		
178281	MSI-8004HD Display, AC, Red/Green 85~264 VAC, 47~440 Hz, 120~370 VDC	Consult
178283	MSI-8004HD Display, DC, 8-32V, Red/Green Best for external 12 V SLA Batter	Consult
178285	MSI-8004HD Display, DC, 9-36V Iso, Red/Green Do not use on 12 V Vehicle Systems	Consult
183479	MSI-8004HD Display, 4CH 5V Red/Green with external rechargeable battery	Consult

**Options**

Part #	Description	Price
148624	Serial Cable, RS-232 9000 Serial Cable, DCE	Consult
139309	Antenna Kit, Long Range Omni-directional, 9dBi with 3 m Coax Intended for omni-directional mast mounting (up to 2" Ø). Beam-width. Must be mounted vertically.	Consult
139310	Antenna Kit, Corner Reflector, 9 dBi with 3 m coax intended for directional wall or mast mounting (up to 2" Ø). Beam-width: 75° Elevation, 65° Azimuth	Consult
139311	Antenna Kit, Corner Reflector, 12 dBi with 3 m coax intended for directional wall or mast mounting (up to 2" Ø). Beam-width: 50° Elevation, 36° Azimuth	Consult
139312	Antenna Kit, YAGI, 15 dBi with 3 m coax highly directional wall or mast mounting (up to 2" Ø). Beam-width: 30° Elevation, 34° Azimuth	Consult
139313	Antenna Kit, Vehicle Mount, 5 dBi with 5 m coax omni-directional. Mounts in 3/4" Hole.	Consult
162178	Antenna extension kit	Consult
155173	Option kit, tilt stand	Consult
155193	Option kit, Ethernet (hard wired) RJ-45 Cable (included)	Consult
171203	Audible alarm Not compatible with battery versions 22436	Consult
22436	Cable, Comm DB9F 9 Pin Fem One end stripped and tinned on other end 6' Pin 2 (Brown) Pin 3 (Red) Pin 5 (Yellow) For use with MSI-8004HD serial ports to connect to: Scoreboard displays, printers, computers & other equipment that supports RS-232	Consult
183437	Battery, 5V Li-ion battery with USB power ports. Output 5V/3.0A per port (6.0 A max)Rate, 2A per port (4A if both ports are used)	Consult
184132 *	8004 option kit, Bluetooth® with SMA antenna	Consult
184131	8004 option kit, WiFi with SMA antenna	Consult
182224	Power Adapter, 12VDC 5VDC Dual USB Car Charger plus 3 ft USB Cable	Consult
Relays		
172500	Expanded Relays Option Kit, four-channel, 3A, 60VPK SSR form C	Consult
172501	Expanded Relays Option Kit, eight-channel, 3A 60VPK, SSR form C	Consult
172493	Expanded Relays Option Kit, four-channel, 3A 60VPK, AC/DC SSR	Consult
172497	Expanded Relays Option Kit, eight-channel, 3A 60VPK, AC/DC SSR	Consult
172494	Expanded Relays Option Kit, four-channel, 0.9A 200VPK, AC/DC SSR	Consult
172502	Expanded Relays Option Kit, eight-channel, 0.9A 200VPK, SSR form C	Consult
172498	Expanded Relays Option Kit, eight-channel, 0.9A 200VPK, SSR	Consult
172492	Expanded Relays Option Kit, four-channel, 12A 5V, momentary	Consult
172495	Expanded Relays Option Kit, eight-channel, 12A 5V, momentary	Consult
172490	Expanded Relays Option Kit, four-channel, 12A 5V, latching relays	Consult
171676	Expanded Relays Option Kit, eight-channel, 12A 5V, latching relays	Consult

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