

# MSI-8004HD

Indicator/RF LED Remote Display



## Approvals



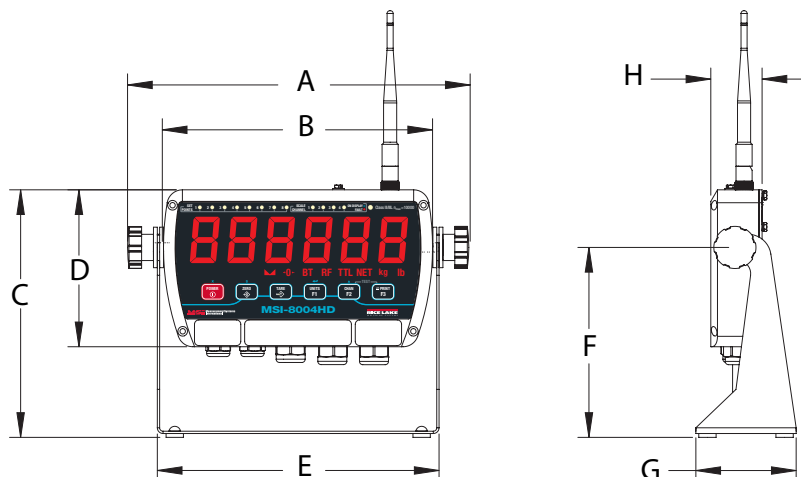
Measurement  
Canada  
Approved

## Part Number/Price

Part #	Description	Price
<b>Indicator</b>		
196904	4CH AC, red/green instant power-on, 85~264VAC, 47~440 Hz, 120~370 VDC	Consult
178265	4CH AC, red/green 85~264 VAC, 47~440 Hz, 120~370 VDC	Consult
178269	4CH DC 8-32V, red/green, best for external 12V SLA batteries	Consult
178271	4CH DC 9-36V Iso, red/green, do not use on 12V Vehicle Systems	Consult
183481	4CH 5V Red/Green with external rechargeable battery	Consult
<b>Remote Display</b>		
178281	AC, red/green 85~264 VAC, 47~440 Hz, 120~370 VDC	Consult
178283	DC, 8-32V, red/green best for external 12V SLA battery	Consult
178285	DC, 9-36V Iso, red/green, do not use on 12V vehicle systems	Consult
183479	4CH 5V red/green with external rechargeable battery	Consult

## Dimensions

MSI-8004HD			
With Tilt Stand			
A	11.10 in (282 mm)	E	9.13 in (232 mm)
B	8.76 in (223 mm)	F	6.16 in (156 mm)
C	8.02 in (204 mm)	G	3.25 in (83 mm)
D	5.09 in (129 mm)	H	1.66 in (42 mm)



## Standard Features

- LED display
- IP65 rugged milled aluminum enclosure
- Backlit membrane keypad for user functioning and controls
- Tilt bracket included
- Color changing display (via setpoints)

## Options

(Contact MSI for application consultation)

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

## Specifications

### Power:

90 to 267 VAC, 9 to 36 VDC, 18 to 72 VDC, 120 to 300 VDC

### Excitation Voltage:

4.8 V current limited and over-voltage protected

### Functions:

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

### Units:

Pounds and kilograms

### Channels:

1, 2, 3, 4, TTL

### RF Remote Channels:

Up to 4 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 5 V coil, 250 VAC, 5 A relays

### 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

### RF Effective Range:

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

### Communication Ports

Two RS-232 hard wired communication ports

### Annunciators:

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

### Display:

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

### Keys/Buttons:

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

### Temperature Range:

Operating: -4 °F to 140 °F (-40 °C to 60 °C)  
Certified: 23 °F to 104 °F (-5 °C to 40 °C)

### Rating/Material:

NEMA Type 4, IP65 milled anodized aluminum

### Warranty:

One-year limited

### Approvals:

NTEP 17-036  
Measurement Canada AM-6068

## Options/Accessories

Part #	Description	Price
139309	Antenna kit, long range omni-directional, 9 dBi with 3 m coax Intended for omni-directional mast mounting (up to 2" dia). 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" dia). 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" dia). 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" dia). 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, 6 ft	Consult
197013	Antenna extension kit, 20 ft	Consult
155173	Spare kit, tilt stand	Consult
199105	Audible alarm not compatible with battery versions	Consult
22436	Cable, Comm DB9F 9-pin fem one end stripped and tinned on other end 6' in 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 5 V/3.0A per port (6.0 A max)Rate, 2A per port (4A if both ports are used).	Consult
184131	8004 option kit, WiFi with SMA antenna	Consult
187424	8004 option kit, 2nd Xbee with TNC antenna	Consult
182224	Power adapter, 12 VDC 5 VDC dual USB car charger plus 3 ft USB cable	Consult
<b>Relays</b>		
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
Consult	Expanded relays option kit, four-channel, 0.9A 200VPK, AC/DC SSR Form C	Consult
172502	Expanded relays option kit, eight-channel, 0.9A 200VPK, SSR form C	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