

# MSI-8004HD

INDICATOR/RF LED REMOTE DISPLAY



**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

800-472-6703

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## High-visibility, LED Remote Display & Indicator

The MSI-8004HD has all of the heavy duty versatility of the MSI-8000HD with the added benefit of extreme high-visibility in indoor and outdoor applications. The MSI-8004HD features 1.5-inch high characters on its LED display. The display is available in either red, orange or green, allowing the controller to be clearly visible in many environments. The display can be configured to change color based on weight and setpoint conditions, making the MSI-8004HD a natural fit for safety-critical industrial applications.

The milled anodized aluminum, IP65-rated enclosure is mountable in either a direct panel mount or included tilt stand. The MSI-8004HD is highly adaptable for integration with overhead crane weighing systems, providing visibility for crane cab and floor operators. The MSI-8004HD is compatible with all MSI-ScaleCore™ crane scales, dynamometers and TranSend™ systems. The indicator version can also be used with any standard load cell or scale base, supporting up to four independent channels with a 24-bit A/D.

## Rugged Communication

Wi-Fi or serial RF (secondary) options are available for direct connections to networks and computers. The MSI-8004HD includes user-definable function keys, and optional relays for safety, operator interfaces and process work flow.



### 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
- Remote display 8-32 VDC
- Remote display 5 VDC
- Remote display 9-36 VDC
- Indicator 8-32 VDC
- Wired Ethernet
- Single & dual channel analog output
- Additional antenna kits available
- Extended relay option kits available

### SPECIFICATIONS

<b>POWER:</b>	90 to 267 VAC, 9 to 36 VDC, 18 to 72 VDC, 120 to 300 VDC
<b>EXCITATION VOLTAGE:</b>	4.8 V current limited and over-voltage protected
<b>FUNCTIONS:</b>	Peak hold, high resolution, total, view total net/gross, units switching
<b>UNITS:</b>	Pounds and kilograms
<b>CHANNELS:</b>	1, 2, 3, 4, TTL
<b>RF REMOTE CHANNELS:</b>	Up to 4 remote sensors monitored individually, in pairs or sum all (non-A/D version only) (when used with TranSend™)
<b>SERVICE COUNTERS:</b>	A/D version only
<b>A/D INPUTS:</b>	Four independent or summing load cell inputs
<b>RELAYS:</b>	Two 5V coil, 250 VAC, 5 A relays
<b>FILTERING:</b>	Off, Low, Hi-1, Hi-2
<b>RF RADIO LINK:</b>	2.4 GHz 802.15.4, optional second channel for Serial RF, 802.11 Wi-Fi
<b>RF EFFECTIVE RANGE:</b>	Typically 100 to 300 ft, line of sight; for longer range consult factory
<b>COMMUNICATION PORTS:</b>	Two RS-232 hard wired communication ports
<b>ANNUNCIATORS:</b>	Stable, COZ, peak, kg, kN, lb, M, ton, setpoint, function LEDs
<b>DISPLAY:</b>	Six-digit, 1.5 in (38 mm) LED display with red/green/orange coloring
<b>KEYS/BUTTONS:</b>	On/Off, Zero, Tare, Print and two user-defined keys
<b>TEMPERATURE RANGE:</b>	Operating: -4 °F to 140 °F (-40 °C to 60 °C) Certified: 23 °F to 104 °F (-5 °C to 40 °C)
<b>RATING/MATERIAL:</b>	NEMA Type 4, IP65 milled anodized aluminum
<b>WARRANTY:</b>	One-year limited

### APPROVALS:



Measurement  
Canada  
Approved

COC #17-036

AM-6068

SALES AND TECHNICAL ASSISTANCE

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