

# MSI-3460 CHALLENGER 3

DIGITAL CRANE SCALE



COMPATIBLE WITH:



MSI-8000 HD RF Remote Display



MSI-8000 RF Remote Display



RF Remote Controller



MSI RF Scoreboard

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# MSI-3460 CHALLENGER 3

DIGITAL CRANE SCALE

## Industry's standard crane scale for light to medium capacity applications

The MSI-3460 now features the ScaleCore measurement module providing industry leading weighing features of previous Challenger designs plus much more. Long range viewing is enhanced with a larger 1.5 inch (38mm) ultra-bright LED digital display and resolution settings of up to 10,000 divisions for precise 0.1% loading accuracy over a broad capacity range from 250 to 15,000lb. Product operating time is extended to over 80 plus hours with a single 6-volt rechargeable battery.

The original signature Challenger packaging has been upgraded to NEMA 4 / IP65 levels. Manufactured in the USA in strict compliance with the highest safety standards, Challenger continues to sustain minimum 200% safe and 500% ultimate overload ratings.

A ScaleCore electronics retrofit kit is available for upgrading existing MSI-3260 or MSI-3360 Challengers to new generation MSI-3460.



### Specifications

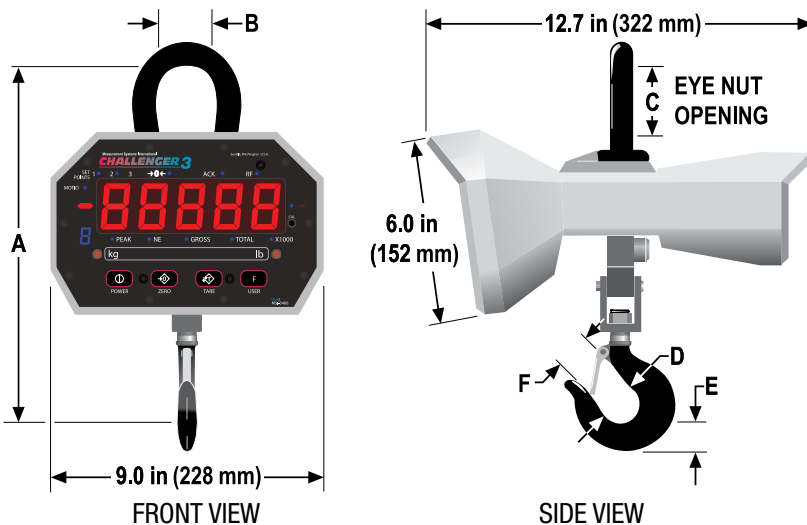
<b>Accuracy:</b>	± (0.1% +1 d) of applied load
<b>Resolution:</b>	2000 to 3750 d standard (up to 10,000 d available)
<b>Enclosure:</b>	NEMA 4, IP65, powder coated cast aluminum
<b>Lifting Eye &amp; Hook:</b>	Crosby® or equivalent with 360° non-bearing swivel hook
<b>Design Overload:</b>	200% safe / 500% ultimate
<b>Functions:</b>	Power: Turns unit ON or OFF Zero: Zeros applied load up to 100% of capacity (limited range in NTEP Certified/OIML configurations) Tare: Tares applied load and displays weight in net mode User: Programmable as TEST, UNITS, NET/GROSS, TOTAL, PEAK HOLD & SETPOINTS
<b>Display:</b>	Five-digit, 1.5 in (38 mm) LED with programmable brightness control
<b>Displayable Units:</b>	Pounds or kilogram selectable
<b>Annunciators:</b>	COZ, net, gross, total, peak, low battery, lb/kg, motion, setpoints, ACK IN, ACK OUT, RF
<b>Power:</b>	6 volt rechargeable battery. 115/230VAC battery charger is included
<b>Operating Time:</b>	Up to 80 hours between charging with typical use. Less with optional RF model link
<b>Operating Temperature:</b>	-4°F to 122°F (-20°C to 50°C)
<b>Auto-Off Mode:</b>	Select for 15, 30, 45, 60 minutes or off
<b>Auto Sleep Mode:</b>	Power down during non-use and power up with weight change or any key press
<b>Service Counters:</b>	Counts number of lifts over percentage of capacity and lifts over capacity
<b>Calibration:</b>	Digital
<b>Filtering:</b>	OFF, LO, HI-1, HI-2 selectable

### Options and Accessories

- RF remote controller (typical range 50 ft / 15 m)
- Universal direct power supply (115/230 VAC)
- Audible setpoint alarm
- NTEP Certified (up to 10,000 lb)
- RF modem link for wireless connectivity with optional MSI-8000 RF remote display
- Retrofit kit: upgrade previous MSI-3260 and MSI-3360 to new MSI-3460 with ScaleCore

### MSI-8000 RF Remote Display Specifications

<b>Functions:</b>	On/off, zero, tare, peak hold, units, total, high resolution, net/gross, print, test
<b>Display:</b>	Six-digit, 1.0 in (26.4 mm) LCD
<b>Power:</b>	Rechargeable lithium polymer battery 24 hours operating time between charging in typical use 115/230VAC battery charger is included
<b>RF Frequency:</b>	2.4 GHz - 802.15.4 operating range 100ft (30m) typical
<b>Enclosure:</b>	Industrial grade NEMA 4/IP65
<b>Output:</b>	Serial RS-232



The MSI-3460 provides cost-effective solution for light to medium duty overhead weighing. For higher capacity weighing and heavy-duty use, MSI recommends models MSI-4260, MSI-4300, MSI-6260CS or MSI-9300.

Capacity	Resolution	A	B	C	D	E	F	Approximate Shipping Weight
250 lb 125 kg	0.1 lb 0.05 kg	11.94 in 303 mm	2.0 in 51 mm	2.45 in 62 mm	1.63 in 41 mm	1.14 in 29 mm	1.16 in 29 mm	22 lb 10 kg
500 lb 250 kg	0.2 lb 0.1 kg	11.94 in 303 mm	2.0 in 51 mm	2.45 in 62 mm	1.63 in 41 mm	1.14 in 29 mm	1.16 in 29 mm	22 lb 10 kg
1,000 lb 500 kg	0.5 lb 0.2 kg	11.94 in 303 mm	2.0 in 51 mm	2.45 in 62 mm	1.63 in 41 mm	1.14 in 29 mm	1.16 in 29 mm	22 lb 10 kg
2,000 lb 1,000 kg	1.0 lb 0.5 kg	11.94 in 303 mm	2.0 in 51 mm	2.45 in 62 mm	1.63 in 41 mm	1.14 in 29 mm	1.16 in 29 mm	22 lb 10 kg
5,000 lb 2,500 kg	2.0 lb 1.0 kg	16.67 in 423 mm	2.45 in 62 mm	3.40 in 86 mm	2.5 in 64 mm	1.81 in 46 mm	1.61 in 41 mm	39 lb 18 kg
10,000 lb 5,000 kg	5.0 lb 2.0 kg	16.67 in 423 mm	2.45 in 62 mm	3.40 in 86 mm	2.5 in 64 mm	1.81 in 46 mm	1.61 in 41 mm	39 lb 18 kg
15,000 lb 7,500 kg	5.0 lb 2.0 kg	21.65 in 550 mm	3.25 in 83 mm	4.28 in 109 mm	3.00 in 76 mm	2.26 in 57 mm	2.08 in 53 mm	67 lb 30 kg

Consult factory for higher capacities. Note: 15,000 lb (7,500 kg) unit comes standard with 12 ton top shackle. Crosby is a registered trademark of The Crosby Group, LLC.

Your Rice Lake Weighing Systems distributor is:



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