

# MSI-3460 CHALLENGER 3

DIGITAL CRANE SCALE



*Compatible with Optional  
MSI-8000 RF Remote Display*



**Measurement Systems  
International™**

A RICE LAKE WEIGHING SYSTEMS COMPANY

800-874-4320  
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# MSI-3460 CHALLENGER 3

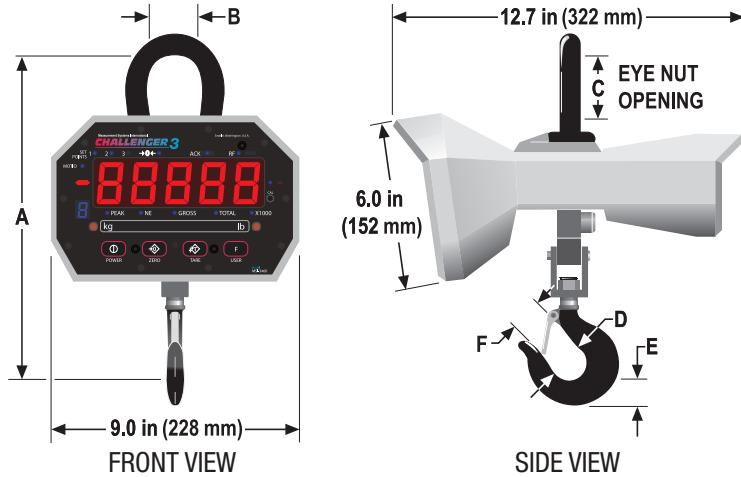
DIGITAL CRANE SCALE

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

The MSI-3460 "ScaleCore" measurement module features the industry leading weighing functions of previous Challenger designs plus much more. Long range viewing is enhanced with an ultra-bright LED digital display with 1.5 inch (38mm) high digits with resolution settings of up to 10,000 divisions and precision 0.1% loading accuracy across an available capacity range of 250 to 15,000lbs. Product operating time is extended to over 50 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 load ratings.

Available options include: RF remote control, MSI-8000 RF remote display and audible alarm. An electronics retrofit kit is available for customers who wish to upgrade their existing MSI-3260 or MSI-3360 Challengers to the new generation MSI-3460.



The MSI-3460 Crane Scale provides cost-effective light to medium capacity overhead weighing. For higher capacities, heavy duty, outdoor and continuous production use, MSI recommends MSI-4260, MSI-4300, MSI-6260CS or MSI-9300. Note: 15,000 lb (7,500 kg) unit comes standard with 12 ton top shackle.

Capacity	Resolution	A	B	C	D	E	F	Approximate Shipping Weight
250 lb	0.1 lb	11.94 in	2.0 in	2.45 in	1.63 in	1.14 in	1.16 in	22 lb
125 kg	.05 kg	303 mm	51 mm	62 mm	41 mm	29 mm	29 mm	10 kg
500 lb	0.2 lb	11.94 in	2.0 in	2.45 in	1.63 in	1.14 in	1.16 in	22 lb
250 kg	0.1 kg	303 mm	51 mm	62 mm	41 mm	29 mm	29 mm	10 kg
1,000 lb	0.5 lb	11.94 in	2.0 in	2.45 in	1.63 in	1.14 in	1.16 in	22 lb
500 kg	0.2 kg	303 mm	51 mm	62 mm	41 mm	29 mm	29 mm	10 kg
2,000 lb	1.0 lb	11.94 in	2.0 in	2.45 in	1.63 in	1.14 in	1.16 in	22 lb
1,000 kg	0.5 kg	303 mm	51 mm	62 mm	41 mm	29 mm	29 mm	10 kg
5,000 lb	2.0 lb	16.67 in	2.45 in	3.40 in	2.5 in	1.81 in	1.61 in	39 lb
2,500 kg	1.0 kg	423 mm	62 mm	86 mm	64 mm	46 mm	41 mm	18 kg
10,000 lb	5.0 lb	16.67 in	2.45 in	3.40 in	2.5 in	1.81 in	1.61 in	39 lb
5,000 kg	2.0 kg	423 mm	62 mm	86 mm	64 mm	46 mm	41 mm	18 kg
15,000 lb	5.0 lb	21.65 in	3.25 in	4.28 in	3.00 in	2.26 in	2.08 in	67 lb
7,500 kg	2.0 kg	550 mm	83 mm	109 mm	76 mm	57 mm	53 mm	30 kg

Consult factory for higher capacities

### MSI-3460 Options and Accessories

- RF Remote Controller (typical range 50 feet /15 m)
- Universal Direct Power Supply (115/230VAC)
- Audible Setpoint Alarm
- Spare Battery and Battery Charger
- Enhanced Resolution
- NTEP Legal for Trade (up to 10,000 lb)
- RF Module for Connectivity with MSI-8000 RF Remote Display
- Optional MSI-8000 RF Remote Display
- Retrofit Kit: Upgrades Models MSI-3260 and MSI-3360 to a MSI-3460

### Standard Product Specifications

- Accuracy:** ± (0.1% +1d) of applied load  
**Display:** 5 digit, 1.5 inch (38 mm) high LED; programmable brightness control  
**Filtering:** Off, Lo, Hi-1, Hi-2 selectable  
**Units:** Pounds or Kilograms selectable  
**Resolution:** 2000-3750 divisions standard (Up to 10,000 d available)  
**Power:** 6 Volt Rechargeable Battery (115/230 VAC Rapid Charge Battery Charger included)  
**Operating Time:** Up to 50 hours depending on programmed operating mode  
**Auto-Off Mode:** Select for 15, 30, 45, 60 minutes or Off  
**Auto Sleep Mode:** Power down during non-use and power up with weight change or any key press  
**Service Counter:** Maintains two counters. The first counts number of lifts for inspection reminders and the second counts overloads for safety warnings.

- Operating Temperature Range:** -4° to +122°F (-20° to +50°C)  
**Enclosure:** NEMA 4/IP65, powder coated alodined cast aluminum corrosion resistant  
**Hook:** Crosby 360° non-bearing swivel  
**Safe Overload:** 200% of rated capacity  
**Ultimate Overload:** 500% of rated capacity

### Function Switches and Lights

- Power:** Turns unit ON or OFF  
**Zero:** Zeros applied load up to 100% of capacity (limited range with NTEP and OIML configuration)  
**Tare:** Tares applied load and displays weight in Net mode  
**User:** User programmable multifunction switch for use as TEST, UNIT select, NET/GROSS, TOTAL (auto or manual), PEAK HOLD and SETPOINTS  
**Annunciators:** COZ (Center of Zero), Net, Gross, Total, Peak, Low Battery, lb/kg, Motion, SP1, SP2, SP3, ACK IN, ACK OUT, RF  
**Calibration:** Digital.



Optional MSI-8000 RF Remote Display and RF Remote Controller



A RICE LAKE WEIGHING SYSTEMS COMPANY

14240 Interurban Avenue South, STE. 200, Seattle, Washington 98168-4661 U.S.A.  
 TEL: 206-433-0199 • FAX: 206-244-8470 • EMAIL: info@msiscales.com [www.msiscales.com](http://www.msiscales.com)

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