

MSI-3460 CHALLENGER 3

DIGITAL CRANE SCALE



COMPATIBLE WITH:



MSI-8000 RF Remote Display



RF Remote Controller



**Measurement Systems
International™**

A RICE LAKE WEIGHING SYSTEMS COMPANY

800-874-4320
www.msiscales.com

MSI-3460 CHALLENGER 3

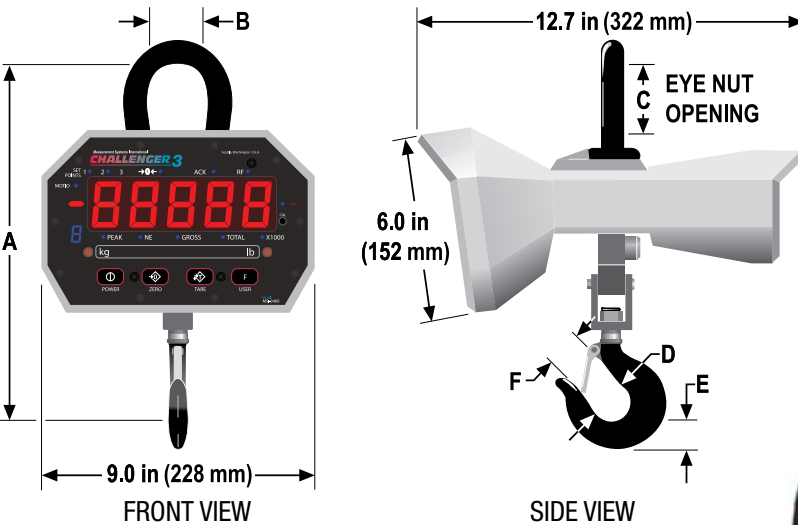
DIGITAL CRANE SCALE

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 load ratings.

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



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

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.

Specifications

Accuracy:	± (0.1% +1 d) of applied load
Resolution:	2000 to 3750 d standard (Up to 10,000 d available)
Enclosure:	NEMA 4, IP65, powder coated cast aluminum
Lifting Eye & Hook:	Crosby® or equivalent with 360° non-bearing swivel hook
Design Overload:	200% Safe / 500% Ultimate
Functions:	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
Display:	Five-digit, 1.5 in (38 mm) LED with programmable brightness control
Displayable Units:	Pounds or Kilogram selectable
Annunciators:	COZ, Net, Gross, Total, Peak, Low Battery, lb/kg, Motion, Setpoints, ACK IN, ACK OUT, RF
Power:	6 Volt Rechargeable Battery, 115/230VAC battery charger is included
Operating Time:	Up to 80 hours between charging with typical use. Less with optional RF Model Link
Operating Temperature:	-4°F to 122°F (-20°C to 50°C)
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 Counters:	Counts number of lifts over percentage of capacity and lifts over capacity
Calibration:	Digital
Filtering:	OFF, LO, HI-1, HI-2 selectable

Options and Accessories

- RF remote controller (typical range 50 ft / 15 m)
- Universal direct power supply (115/230VAC)
- 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

Functions:	On/Off, Zero, Tare, Peak Hold, Units, Total, High Resolution, Net/Gross, Print, Test
Display:	Five-digit, 1.22 in (31 mm) LCD
Power:	Rechargeable lithium polymer battery 24 hours operating time between charging in typical use 115/230VAC battery charger is included
RF Frequency:	2.4 GHz - 802.15.4 operating range 100ft (30m) typical
Enclosure:	Industrial grade NEMA 4/IP65
Output:	Serial RS-232



A RICE LAKE WEIGHING SYSTEMS COMPANY

14240 Interurban Avenue South, STE 200, Seattle, Washington 98168-4661 USA
TEL: 206-433-0199 • FAX: 206-244-8470 • EMAIL: info@msiscales.com www.msiscales.com

© 2013 by Measurement Systems International, Inc PN 151213 4/13
Specifications subject to change without notice. Printed in USA