

MSI-3460

CHALLENGER 3

Quality Digital Crane Scales from
Measurement Systems International



the original MSI Challenger. However, unappreciated by our global competitors, imitating Challenger signature product packaging alone does not equal the true integrity of the MSI original.

The MSI-3460 incorporates the highly integrated MSI ScaleCore weight-processing unit. The ScaleCore combines a 24-bit A/D Converter coupled with a highly efficient Microcontroller providing Challenger 3 with all the industry leading weight functions of previous Challengers. In addition, the ScaleCore features flash memory for easy software updates and the ability to save and restore calibration and operational settings. The Challenger 3 display board boasts large 1.5 inch (38 mm) LED digits with increased operating time. The Challenger 3 also offers optional RF Remote Control.

While considering the best product choice for your crane scale application, trust you will never need to compromise safety and quality over price when specifying the MSI brand. Manufactured in the USA, the MSI-3460 will continue to provide world industry with a safe, accurate and reliable product standard for overhead crane weighing throughout another generation. At MSI, we are

committed to qualified design safety, reliable and accurate performance while consistently applying new technology with the highest quality materials and workmanship.

Since 1977, MSI has been a world-renowned leader in design and manufacture of overhead crane scales and specialty crane weighing systems. MSI products are sold and serviced by a worldwide network of factory-authorized dealers and backed by a full warranty. Please contact us for a thorough application review and a dealer near you.

Made in the U.S.A. 

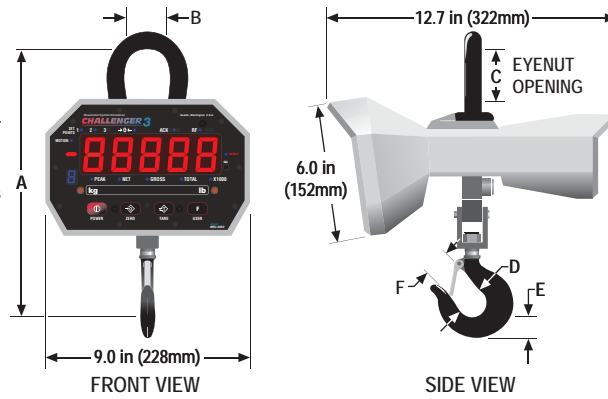


Manufacturing Quality Weighing Equipment for over three decades
MSI proudly introduces the MSI-3460, an all-new generation "Challenger 3" crane scale. The MSI Challenger series crane scale was first introduced to the industrial marketplace in 1985. Thereafter, Challenger has become a world-renowned product standard for light to medium capacity crane applications.

If you appreciate that "Imitation is the Sincerest Form of Flattery" then the Challenger crane scale is without doubt the world's most flattering crane scale design. No other crane scale design has encountered more imitations than

MSI-3460 Challenger 3 Specifications

The MSI-3460 Crane Scale is an ideal unit for light capacity use by the cost conscious user. 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 kgs
15,000 lb	5.0 lb	21.65 in	3.25 in	4.28 in	3.00 in	2.26 in	2.08 in	56 lb
7,500 kg	2.0 kg	550 mm	83 mm	109 mm	76 mm	57 mm	53 mm	26 kg

Consult factory for higher capacities

Standard Product Specifications

Accuracy: ± (0.1% +1d) of reading

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 or 3500 divisions standard (up to 10,000 available)

Power: 6 Volt Rechargeable Battery (115/230 VAC Rapid Charge Battery Charger included)

Operating Time:

Up to 100 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 for battery conservation

Service Counter:

Maintains two counters. The first counts number of lifts for inspection reminders and 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 SET POINTS

ANNUNCIATORS:

COZ (Center of Zero), Net, Gross, Total, Peak, Low Battery, lb/kg, Motion, SP1, SP2, SP3, ACK IN, ACK OUT, RF

CALIBRATION:

Digital. User selectable pushbutton

Options and Accessories

- RF Remote Controller (typical range 50 feet (15 m))
- Universal Direct Power Supply (115/230 VAC)
- Audible Set Point Alarm
- Spare Battery and Battery Charger

Other Heavy-Duty MSI Crane Scales



◀ For heavy-duty, high heat or hazardous use applications, see MSI-4260 Port-A-Weigh specification sheet.

Capacities from 500 lb to 500,000 lb (250kg to 250,000kg).



◀ For heavy-duty and multi-task applications, see MSI-4300 Porta-Weigh Plus specification sheet.

Capacities from 500 lb to 500,000 lb (250kg to 250,000kg).



◀ For heavy-duty applications requiring remote radio telemetry display and/or remote computer/printer interface, see MSI-9300 Porta-Weigh Plus specification sheet.

Capacities from 500 lb to 500,000 lb (250kg to 250,000kg).



◀ Optional Remote Indicators



Specifications subject to change without notice.

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"We weigh quality first"

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