



Certificate of Conformance  
86-021A2

## ELECTRONIC CRANE SCALE

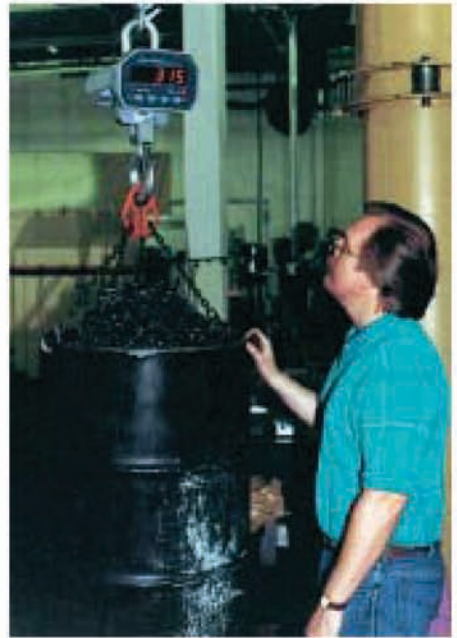
MSI • 3360

# CHALLENGER 2

INNOVATION THRU  
IMAGINATION



For safe, accurate weighing up to 7.5 tons



The CHALLENGER 2 provides the features and reliability you expect from industry's leading manufacturer of electronic crane scales. When you weigh quality and price, there is not a better value than the CHALLENGER 2 for indoor weighing applications up to 7.5 tons.

Every CHALLENGER 2 is NTEP Approved\* for accuracy. Its advanced electronics offer you versatility with an unrivaled standard feature set that includes: Tare, Units switching, Totalizing, Peak

Hold, Set Points, Filtering and a convenient lift-cycle counter. Mechanically, the CHALLENGER 2 has proven itself through years of service. A rugged, low-profile enclosure minimizes headroom loss while maintaining weather resistance and portability. It also sets the standard for readability. With several annunciators and oversized 1.2 in (30mm) LED digits, you can read the display easily from more than 50 ft (15m) away.

MSI products are sold and serviced by a worldwide network of factory-authorized distributors and backed by a full one-year warranty.



The optional remote control allows the operator to perform all scale functions conveniently and safely from a distance.

For additional MSI scale product information, you can call or write MSI, or browse the company's web site at "www.msiscales.com".

\* With exception of the 15,000 pound capacity model.

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# MSI-3360 Challenger 2 Specifications and Dimensions

The MSI-3360 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 (7,000kg) unit comes standard with 12 ton top shackle.

CAPACITY	RESOLUTION**	A	B	C	D	E	F	APPROX. SHIPPING WT.
250 lb	0.1 lb	11.94 in	2.45	2.00	1.12	1.63	1.12	22 lb
125 kg	.05 kg	303 mm	62.0	51.0	28.0	41.0	28.0	10 kg
500 lb	0.2 lb	11.94 in	2.45	2.00	1.12	1.63	1.12	22 lb
250 kg	0.1 kg	303 mm	62.0	51.0	28.0	41.0	28.0	10 kg
1,000 lb	0.5 lb	11.94 in	2.45	2.00	1.12	1.63	1.12	22 lb
500 kg	0.2 kg	303 mm	62.0	51.0	28.0	41.0	28.0	10 kg
2,000 lb	1 lb	11.94 in	2.45	2.00	1.12	1.63	1.12	22 lb
1,000 kg	0.5 kg	303 mm	62.0	51.0	28.0	41.0	28.0	10 kg
5,000 lb	2 lb	16.67 in	3.40	2.45	1.80	2.50	1.81	39 lb
2,500 kg	1 kg	423 mm	86.0	62	46.0	64.0	46.0	18 kg
10,000 lb	5 lb	16.67 in	3.40	2.45	1.80	2.50	1.81	39 lb
5,000 kg	2 kg	423 mm	86.0	62	46.0	64.0	46.0	18 kg
15,000 lb	5 lb	21.58 in	4.28*	3.25*	1.95	3.00	2.25	67 lb
7,000 kg	2 kg	548 mm	109	83	50	76	57	30 kg

Consult factory for higher capacities

\* Unit comes standard with 12 ton top shackle.

## Standard Product Specifications

**Accuracy:** Plus or minus 0.1% of applied load

**Display:** 5 digit, 1.2in (30mm) high LED; manual or automatic brightness control

**Filtering:** Low, Medium or High selectable

**Units:** Pounds or Kilograms selectable

**Resolution:**

2000 or 2500 divisions standard (up to 10,000 available)

**Power:** 6 volt rechargeable battery (115 or 230 VAC charger included)

**Operating Time:**

50-100 hours depending on operating mode

**Auto-Off Mode:**

Select for 12 minutes, 1 hour or Off

**Auto-Sleep Mode:**

Power down during non-use and power up with motion for maximum battery conservation

**Service Counter:**

Registers number of lifts by value for inspection and maintenance reminder

**Operating Temperature Range:**

-4° to +122°F (-20° to +50°C)

**Enclosure:** NEMA 12/IP54 powder coated Alodined Cast Aluminum

**Hook:** Crosby-Laughlin or equivalent 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 NIST or OIML option)

**TARE:** Tares out applied load and displays weight in Net mode. Push again to return to Gross mode

**USER:** User programmable multifunction switch for use as TEST, UNIT select, TOTAL (auto or manual), PEAK HOLD and SET POINTS

**ANNUNCIATORS:**

Center of Zero, Net, Gross, Total, Peak, X1000, Battery, lb/kg, Motion, SP1 and SP2

## Options and Accessories

- NTEP (86-021A2), OIML and EC (T2943) approved versions (contact factory for specifications)
- Infrared remote controller with 26ft (8m) range
- RS-232 data output with connector
- Universal direct power supply
- Audible setpoint alarm
- Special capacity or displayable resolution

## 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).



Specifications subject to change without notice.

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*"We weigh quality first"*

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