

MSI-3460 Challenger 3



Contact MSI for application consultation

Standard Features

- Crane scale unit with five-digit, 1.5 in (38 cm) LED display
- Top lifting eye and bottom swivel hook
- Lb/kg switch selectable
- Six volt rechargeable battery and universal 115/230 VAC, 50/60 Hz battery charger (NA plug standard)
- Meets or exceeds OSHA, ANSI, ASME and other safety design standards (5:1 Ultimate Safety Factor)

Options:

- Rugged remote control (control for Off, Zero, Tare and other functions)
- RF modem install for connectivity to MSI-8000, MSI-8000HD RF, MSI-8004HD RF remote display (100 ft line of sight)
- RF scoreboard
- NTEP Certified (250 lb-10,000 lb capacities)
- Universal direct power supply (115/230 VAC)
- Audible alarm
- Wi-Fi or Bluetooth® communications (additional use with MSI-ScaleCore Connect (available for download at Google Play Store))
- Potential receivers: MSI-8000, MSI-8000HD RF, MSI-8004HD RF, TranSend



Optional rugged remote

Specifications

Accuracy:

± (0.1% +1 d) of applied load

Resolution:

2000 to 3750 d standard (Up to 10,000 d available)

Enclosure:

NEMA Type 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/OIML configurations) Tare: Tares applied load and displays weight in Net mode User: Programmable as TEST, UNITS, NET/GROSS, TOTAL, PEAK HOLD & SETPOINTS

Display:

5-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. 115/230 VAC battery charger is included

Operating Time:

Up to 80 hours between charging with typical use. Less with optional RF Model

Operating Temperature:

-40° to 104°F (-40° to 40°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

Warranty:

One-year limited

Approvals:

NTEP CC 86-021

Approvals



Part Number/Price

Part #	MSI Part #	Description	Capacity	Resolution	Est. Weight	Price
139102	502887-0001	MSI-3460 250 lb/500 lb cap F/A	250 lb (125 kg) 500 lb (250 kg)	0.1 lb (0.05 kg) 0.2 lb (0.1 kg)	22 lb (10 kg)	Consult
139103	502887-0002	MSI-3460 1,000 lb/2,000 lb cap F/A	1,000 lb (500 kg) 2,000 lb (1,000 kg)	0.5 lb (0.2 kg) 1 lb (0.5 kg)	22 lb (10 kg)	Consult
139104	502887-0003	MSI-3460 5,000 lb/10,000 lb cap F/A	5,000 lb (2,500 kg) 10,000 lb (5,000 kg)	2 lb (1 kg) 5 lb (2 kg)	39 lb (18 kg)	Consult
139105	502887-0004	MSI-3460 15,000 lb cap F/A	15,000 lb (7,000 kg)	5 lb (2 kg)	67 lb (30 kg)	Consult
139110	502887-0005	MSI-3460 250 lb/500 lb cap F/A (with RF modem for connectivity to model MSI-8000 and remote)	250 lb (125 kg) 500 lb (250 kg)	0.1 lb (0.05 kg) 0.2 lb (0.1 kg)	22 lb (10 kg)	Consult
139111	502887-0010	MSI-3460 1,000 lb/2,000 lb cap F/A (with RF modem for connectivity to model MSI-8000 and remote)	1,000 lb (500 kg) 2,000 lb (1,000 kg)	0.5 lb (0.2 kg) 1 lb (0.5 kg)	22 lb (10 kg)	Consult
139112	502887-0011	MSI-3460 5,000 lb/10,000 lb cap F/A (with RF modem for connectivity to model MSI-8000 and remote)	5,000 lb (2,500 kg) 10,000 lb (5,000 kg)	2 lb (1 kg) 5 lb (2 kg)	39 lb (18 kg)	Consult
139113	502887-0012	MSI-3460 15,000 lb cap F/A (with RF modem for connectivity to model MSI-8000 and remote) Capacity: 15,000 lb (7,000 kg) Resolution: 5 lb (2 kg)	15,000 lb (7,000 kg)	5 lb (2 kg)	67 lb (30 kg)	Consult
176905 *	N/A	MSI-3460 250 lb/500 lb cap F/A with Bluetooth®	250 lb (125 kg) 500 lb (250 kg)	0.1 lb (0.05 kg) 0.2 lb (0.1 kg)	22 lb (10 kg)	Consult
176906 *	N/A	MSI-3460 1,000 lb/2,000 lb cap F/A with Bluetooth®	1,000 lb (500 kg) 2,000 lb (1,000 kg)	0.5 lb (0.2 kg) 1 lb (0.5 kg)	22 lb (10 kg)	Consult
176907 *	N/A	MSI-3460 5,000 lb/10,000 lb cap F/A with Bluetooth®	5,000 lb (2,500 kg) 10,000 lb (5,000 kg)	2 lb (1 kg) 5 lb (2 kg)	39 lb (18 kg)	Consult
176908 *	N/A	MSI-3460 15,000 lb cap F/A with Bluetooth®	15,000 lb (7,000 kg)	5 lb (2 kg)	67 lb (30 kg)	Consult
176909	N/A	MSI-3460 250 lb/500 lb cap F/A with Wi-Fi	250 lb (125 kg) 500 lb (250 kg)	0.1 lb (0.05 kg) 0.2 lb (0.1 kg)	22 lb (10 kg)	Consult
176910	N/A	MSI-3460 1,000 lb/2,000 lb cap F/A with Wi-Fi	1,000 lb (500 kg) 2,000 lb (1,000 kg)	0.5 lb (0.2 kg) 1 lb (0.5 kg)	22 lb (10 kg)	Consult
176911	N/A	MSI-3460 5,000 lb/10,000 lb cap F/A with Wi-Fi	5,000 lb (2,500 kg) 10,000 lb (5,000 kg)	2 lb (1 kg) 5 lb (2 kg)	39 lb (18 kg)	Consult
176912	N/A	MSI-3460 15,000 lb cap F/A with Wi-Fi	15,000 lb (7,000 kg)	5 lb (2 kg)	67 lb (30 kg)	Consult

* Bluetooth modems only work with certain Android devices. Please contact MSI for potential applications.

Options/Accessories

Part #	MSI Part #	Description	Est. Weight	Price
140049	C00502-0001	Battery assembly, 6 volt rechargeable	3 lb (1.4 kg)	Consult
139152	502956-0001	Universal 115/230 VAC, 50/60 Hz battery charger (NA plug standard)	5 lb (2.25 kg)	Consult
139153	502956-0002	Battery charger 115/230 VAC, 50/60 Hz (EC plug standard)	5 lb (2.25 kg)	Consult
197201	N/A	Battery charger, 115VAC, 50/60 Hz (NA plug standard) CEC compliant	—	Consult
149549	503486-0001	Universal 115/230 VAC 50/60 Hz (NA plug standard) battery charger for MSI-8000 remote display	3 lb (1.4 kg)	Consult
178004	N/A	LaserLight2, 4 in (101 mm) six-digit RF scoreboard	21 lb (10 kg)	Consult
178006	N/A	LaserLight2, 6 in (152 mm) six-digit RF scoreboard	37 lb (17 kg)	Consult
Consult	N/A	AC power supply	—	Consult
Consult	N/A	Audible setpoint alarm	—	Consult
139395	N/A	Challenger retrofit to 3460 electronics	1 lb	Consult
173014	N/A	Rugged remote control	—	Consult
139381	503208-0001	MSI-8000 RF remote display (requires MSI-3460 equipped with RF modem)	5 lb (2.25 kg)	Consult
153591		MSI-8000HD ScaleCore RF remote display	—	Consult