

# MSI-3460 Challenger 3



## Standard Features

- Crane unit with five-digit, 1.5 in (38 mm) LED display
- Top lifting eye or shackle and bottom swivel hook
- Lb/kg switch selectable
- Six volt rechargeable battery and universal 115/230 VAC, 50/60Hz battery charger (NA plug standard)

## Additional Options

(Contact MSI for application consultation)

- 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, LaserLight2



Optional rugged remote

## Specifications

### Accuracy:

± (0.1% or +1 d) of applied load

### Resolution:

2,000 to 3,750 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 and 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. 115/230 VAC battery charger is included

### Operating Time:

Up to 80 hours between charging with typical use, less with optional RF Modem

### Operating Temperature:

-40° F to 122° F (Industrial)

### 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 warranty

### Approvals:

NTEP CC 86-021 - 250 lb-10,000 lb (125 kg-5,000 kg)

## Approvals



pending



pending

## 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 *	–	MSI-3460 250 lb/500 lb cap F/A with Bluetooth® RF	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 *	–	MSI-3460 1,000 lb/2,000 lb cap F/A with Bluetooth® RF	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 *	–	MSI-3460 5,000 lb/10,000 lb cap F/A with Bluetooth® RF	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 *	–	MSI-3460 15,000 lb cap F/A with Bluetooth® RF	15,000 lb (7,000 kg)	5 lb (2 kg)	67 lb (30 kg)	Consult
176909	–	MSI-3460 250 lb/500 lb cap F/A with Wi-Fi RF	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	–	MSI-3460 1,000 lb/2,000 lb cap F/A with Wi-Fi RF	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	–	MSI-3460 5,000 lb/10,000 lb cap F/A with Wi-Fi RF	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	–	MSI-3460 15,000 lb cap F/A with Wi-Fi RF	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
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		LaserLight2, 4 in (101 mm) six-digit RF scoreboard	21 lb (10 kg)	Consult
178006		LaserLight2, 6 in (152 mm) six-digit RF scoreboard	37 lb (17 kg)	Consult
Consult		AC power supply		Consult
Consult		Audible setpoint alarm		Consult
139395		Retrofit kit 3460	1 lb	Consult
173014		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