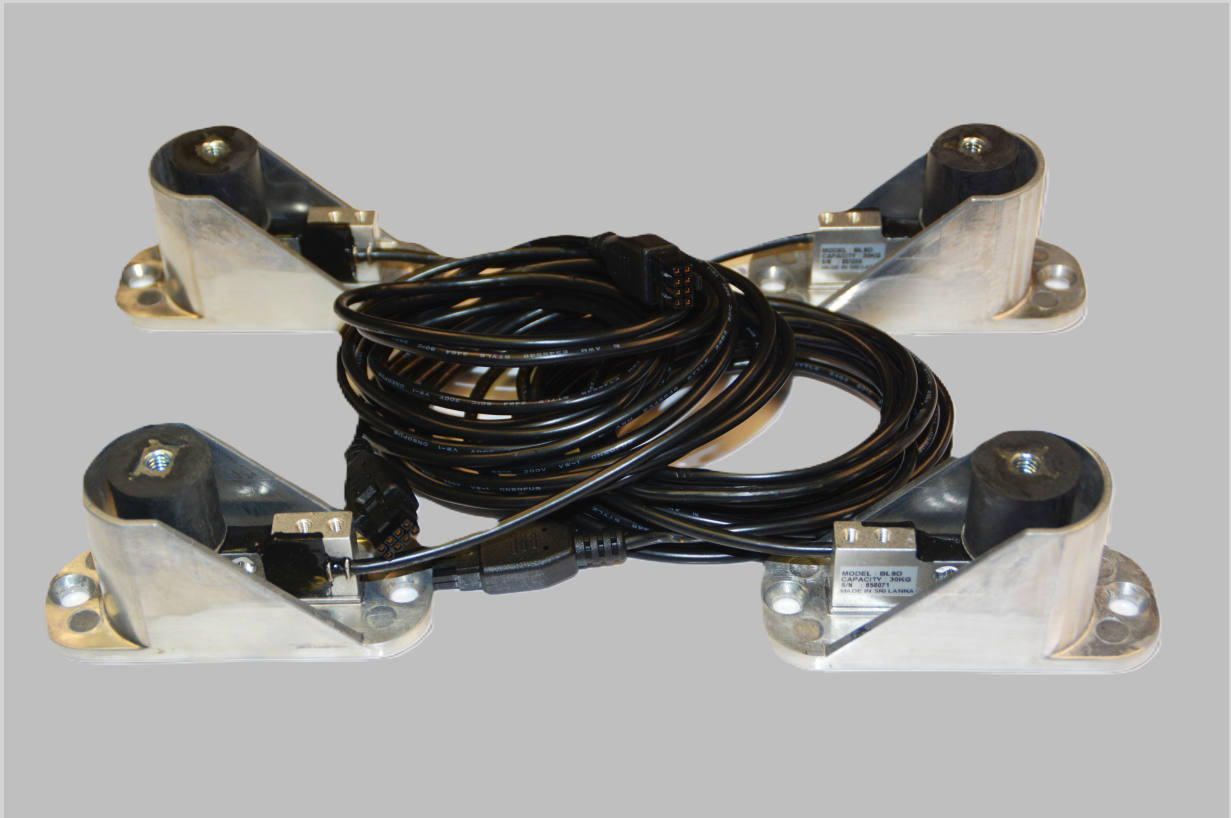


MINI-MOUNT, THE HIGH ACCURACY, FULLY OVERLOAD PROTECTED LOAD CELL AND MOUNT



The Mini-Mount allows direct mounting of a platter in low profile platform scales. Four Mini-Mounts are located at the corners of a platform scale that can be any size and shape. Different capacities allow a single set of components to be used in a family of platform scales of many sizes and capacities. The Mini-Mount has overload protection built-in and can be used with confidence in applications where dropped items and other abuse is present.

FEATURES

- Platform capacity up to 140 kg (300lb)
- Fully overload protected
- High stiffness gives fast response
- Approximately 2" high, allowing low profile platform construction
- IP65 protection
- 1000 ohm impedance minimizes warm-up drift caused by self-heating
- Allows wide range of platform sizes
- Female threaded top allows either secured or drop-on platters
- Matched outputs give high accuracy and interchangeability at low cost

APPLICATIONS

- High accuracy platform scales
- Conveyor scales
- Packaging systems
- Checkweighers
- Shipping systems
- High-accuracy personal and animal scales

MODELS

1X3-2660-30, 30 kg capacity per Mini-Mount.

4 mini-mounts with individual connectors suitable for platform scales up to 110 kg (242 lb) capacity and conveyor scales up to 100kg (220 lb) capacity

1X3-2660-50, 50 kg capacity per Mini-Mount.

4 sensors with individual connectors suitable for platform scales up to 190 kg (419 lb) capacity and conveyor scales up to 180 kg (397 lb) capacity.

SPECIFICATIONS

Mini-Mount size: 4" x 1.625" x 2.0" nominal overall height at no load

Mountings – clearance for 2 bolts ¼" on 3 3/8" centers

Rated capacity: 30 or 50kg. Contact us for other capacities

OIML accuracy class: C3, 3000 divisions. C4, 4000 divisions available

Corner balance: Current matched to within $\pm 0.05\%$. Tighter selection available

Output: 1.500 mV/V at full capacity.

Excitation: Zero balance 5 – 15 volts, zero balance ± 0.03 mV/V

Creep error: 30 min $\pm 0.03\%$ of load

Zero return error: 30 min $\pm 0.03\%$ of applied load

Temperature span error $\pm 0.005\%$ of applied load/ °C

Temperature zero error: $\pm 0.02\%$ of rated output / °C

Output impedance: 1000 ± 5 ohm

Input impedance: 1050 ± 10

Temperature range: Operating -10 to +40 °C. Storage -30 to +70 °C

Safe vertical overload: 300 kg static or dynamic shock

Safe side overload: 400% of rated capacity in all directions (except tension)

Transmitter 1X3-1945: Transmitter 1X3-1945: separately

Environmental protection: IP65

Cable and connections: 28 AWG, +exc=red, -exc=blk, +sig=grn, -sig=wht. Connector – Molex

RECOMMENDED MOUNTING METHODS

The Mini-Mount upper mounting point incorporates a resilient coupling to the platter which is required for overload protection and to achieve rated accuracy. The structure placed on top of the Mini-Mount can be screwed directly into the ¼-20 sockets or pins can be used to locate it in these sockets. Our recommendation is that the platter be mounted so that the rubber mounts are located in the extreme corners of the platter. If dimensional tolerance of the top structure does not allow exact location over the mounting points, use undersized screws with washers to secure the mounts to the base structure, allowing at least 2mm play in every direction; this will avoid jamming of the mounts and the resultant side loading which will reduce overall stability and accuracy.

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