



Advice for Mounting and Maintenance of Load Cells

1. Fitting and Mounting

- 1.1 Do not lift the load cell on the cable.
- 1.2 Do not load the cell in shocks.
- 1.3 Welding- and lightning/flash- currents can damage the load cell, so please do all necessary welding work before mounting of the load cells.
- 1.4 Bring the cell in position (use a spirit level). The mounting ground must be absolutely flat (level). Mounting of the load cells in right direction (red arrow showing down at load cells of the B7Xs and B8Xs series).
- 1.5 Eventual mounting of distance parts and rubber buffers in accordance to the given drawing.
- 1.6 If the load cells are mounted in an aggressive environment they should additionally be protected mechanically (e.g. with a steel/metal-cover).
- 1.7 Make a bypass of flexible copper-wire over the load cell with a minimum cross-section of 10mm².
- 1.8 Avoid any leakage paths of force. That means connect all supply/feed-pipes and other pipework with flexible parts.
- 1.9 Connect all load cells electrically parallel (see drawing), but do not reduce the length of the cables (do not cut them). Excess cable can be rolled up. It is very important, that all cables of the load cells and the junction cable is apart from power cables (of mixers or motors etc.).
- 1.10 If necessary seal the junction/connecting box additionally with silicone to avoid a seep of humidity into the box. Keep this box always closed.
- 1.11 Influence of temperature:
High variations in temperature can cause errors in measurement. You will reduce this by protecting the cell from sun, wind or warmth with using a steel/metal-cover.
- 1.12 Warming-Up time of the load cell:
There should be a warming-up time of the load cells of minimum 10 minutes before measuring (calibration).
- 1.13 Connecting cable to the weighing electronic:
4-wires, screened. The cross-section size of the cable depends on the needed cable length (between connecting/junction box and weighing electronic).
Be sure that connecting cable is away from power cables. Plug connections must not be used.



2. Maintenance

2.1 The Load Cell does not need any maintenance.

2.2 Nevertheless you've got to be aware the following:

2.2.1 Remove dirt from load cells, mounting parts or other movable parts of the scale regularly.

2.2.2 The special silicone-coating, which protects the sensitive measuring zones, must be free all time.

2.2.3 Do not clean the load cell or the silicone-coating with aggressive chemical cleaners.

2.2.4 All dust can be removed by using low air-pressure.

2.2.5 Besides that please take notice of all cleaning instructions given for protection mode IP65.

2.3 If you have to make any maintenace or welding work on the scale (after fitting and mounting of the load cells), please note the following:
Remove all connections between the load cells and the electronic unit. To avoid an overload of the load cells, either remove the cells or insert a mechanical protection.