TYPE: BBL-1-WMOUNT

BBL-1-WMOUNT Weighing Assembly

Description
The BBL-1-WMOUNT support is designed to prevent unwanted forces from vessel thermal expansion from affecting the performance of our BBL-1 load cell. The weighing module is compact and cost effective, especially for load cells in hopper and tank weighing applications, and facilitates easy mounting for the engineer on site.

It also incorporates a number of key features that allow the best installed accuracy to be achieved, with a display resolution down to 100g being possible. The unit features an integrated check link to eliminate oscillations caused by slow moving agitators etc., and all modules within a scale are identical and can be freely orientated in any direction. Load cell replacements require minimum lifting height via the integrated jacking device. There is also a safety feature included to prevent the vessel being lifted on the load cell and overload stops to protect the load cell.

If delivered with a load cell, the weigh module will be shipped completely pre-assembled ready for installation by welding or bolting. This assembly along with any required instrumentation (display, amplifier etc.), can be supplied to form a complete weighing system solution.

Installation Examples

Typical Applications
- Vessel weighing
- Hopper weighing
- Process weighing & control
- Tank weighing

Features
- Capacity range up to 500kg
- Low profile design
- Load introduction by ball and socket joint
- Simple to install
- Integrated check link (max 5kN)
- Rod ends assures a tension-free installation and therefore optimal accuracy/repeatability
- Integrated lift off protection (max 5kN)
- Integrated overload protection
- Manufactured from zinc plated steel

Available Options
- Stainless steel version
- Weigh module without check link
- Welding plate
- Welding fixture

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LCM SYSTEMS
Solutions in Load Cell Technology
BBL-1-WMOUNT Weighing Assembly

Dimensions

- Overload protection
  - Check link (mounted on the right or the left)
- Maximum force on check link: 5kN
- Maximum force of lift off protection: 5kN
- Integrated lift off protection (2xM12)
- Integrated jacking device (2xM12)

Notes:
- Tank foot and foundation plate to be horizontal
  - Within 0.4/100 for legal for trade applications
  - Within 0.8/100 for general applications
- All dimensions are in mm

Accessories

- Welding plate
  - Welding plate on bottom (shown here), top or both
  - Shown with welding fixture

Due to continual product development, LCM Systems Ltd reserves the right to alter product specifications without prior notice.

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