



The fully integrated all-in-one solution for real heavy duty Structural weighing module Load Stand II

When the level of medium to very large storage vessels or silos needs to be monitored with a high degree of measurement accuracy, there is simply no getting around the Load Stand II weighing system. In the range from 11 to 450 tons the system offers the incredible measuring accuracy of 0.2%.


Due to the fixed bolting, Load Stand II becomes a structural load-bearing integral component and connecting member between the container support and the foundation. Thanks to the extremely long service life of the strain gauge cells and their easy interchangeability, there is virtually no limit to the service life of a Load Stand II.

- **Dependable, high-precision measurement:**
 The solid, monolithic, and firmly bolted assembly ensures stability, tilt resistance and high-precision measurement
 - even with funnel, rat-hole, or bridge formation in the bulk material,
 - also under uneven material loading,
 - under wind load in the outdoor area,
 - without the effect of thermally induced expansion of silo or contents,
 - without effect of density or moisture changes
 - also in earthquake endangered zones.
- **Unlimited service life:** the four permanently mounted strain gauge sensors of the Microcell® type have a fatigue life of > 20 million cycles. In case of damage, they can be easily replaced by unscrewing them. This gives the Load Stand II a virtually unlimited service life.
- **Easy mounting:** Custom mounting plates available for different configurations. No external vessel tie downs are needed as with other load cells
- **You can rely on it:** Kistler-Morse pioneered load cell technology. In many industries, this is still the standard for load and level measurement for a wide range of inventory and process tanks and vessels.



Technical Specifications at a glance

Permanently integrated, structural load cells

- **Applications:**
 - Storage containers for all types of bulk materials and liquids in all industrial sectors.
 - For indoor and outdoor use
- **For loads from 11,000 kg to 450,000 kg (25,000 to 1,000,000 lb) per support point**
- **Measuring accuracy up to 0,2 %**
- **Operating temperature:** -34 to 66 °C (option up to 93 °C) (-18 to 150 °F / option up to 200 °F)
Long service life due to 200% overload protection
- **Seismic rating approved**
- **Integrated junction box**
- **High signal output** for cable length up to 600 m
- **ATEX approval** as a option 
- **Control units** for 1 to 120 vessels

Load Stand II – Application examples



The selection of the most suitable Load Stand II configuration and mounting system depends on many factors. We will be happy to advise you in detail on sensor selection, installation, and commissioning. Simply contact us at sales@anderson-negele.com.