

The Avery Weigh-Tronix Weigh Bar®

The Weigh Bar® is designed to overcome the shortcomings of the load cell and to provide the user with a rugged, highly reliable and linear load sensing device at a reasonable cost.

More than twenty years of extensive use in industrial, farm and transportation applications has demonstrated that the Weigh Bar® has met these requirements, providing ...

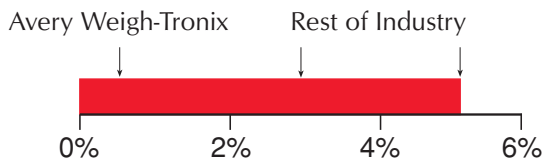
Accuracy and Strength in One Unique Package

Accuracy – design ensures inherently linear performance – as good as a shear beam

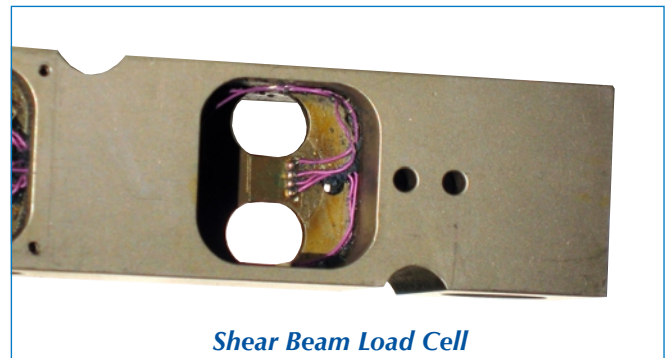
- ◆ Meets up to OIML R60 7,000d performance.
- ◆ Immune to side loads, end loads and twisting, ensuring accurate results without the external mechanical protection that adversely affects measurement accuracy.

Strength – the IP67 Weigh Bar® design provides inherent strength and overload protection, and so high reliability. A significant contributor for this is the positioning of the gauges on the outside of the weigh bar:

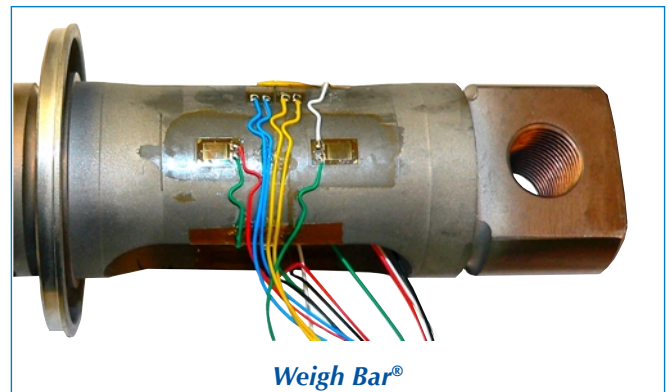
- ◆ More robust than a shear beam load cell for a given output – a shear beam load cell will reach its peak fatigue point much sooner than a Weigh Bar®.
- ◆ Lower failure rate versus load cells – less prone to damage from impact, and maximum protection from vibration.



- ◆ The same immunity to side loads, end loads and twisting that ensures accurate results also avoids the need for complicated external mechanical protection, and even avoids the need for ball end feet
- ◆ Suitable for very diverse applications – platforms, suspended weighing, vessel weighing, and weighbridges. ATEX approved versions are also available.



Shear Beam Load Cell



Weigh Bar®



The unique patented principle of the Weigh Bar® is the primary reason for this success. See technical article WBPRINC_L.P65 PN 08545-0005C.

Foundry Lane, Smethwick,
West Midlands, England B66 2LP.
Tel: +44 (0)870 90 34343
Fax: +44 (0)121-224 8183

E mail: info@awtxglobal.com
Internet: <http://www.averyweigh-tronix.com>

Avery Weigh-Tronix