

The Weigh Bar®



The Weigh Bar® was designed to overcome the shortcomings of conventional load cells, by providing the end-user with a rugged, highly reliable and linear load-sensing device at reasonable cost.

Weigh Bars are designed to be impervious to end, side and torque load conditions which affect weighing accuracy and the life of conventional load cells. This has been proved by 20 years in the field, where documented failure rate is an amazing 10 times better than conventional load cells.

Single-link suspension and self-damping design, speeds weighing cycles for faster throughput - absorbing breaking and acceleration loads without the need for mechanical restraints. Free of a daily hammering by mechanical restraints, foundations last longer and there is nothing to adjust.

Avery Weigh-Tronix supply braided stainless steel sheathed cables as standard, to prevent physical damage and rodent attack.

Weigh Bar® cables terminate in an IP67 stainless steel junction box located in the weighbridge structure. A single cable is routed to the weighbridge office.

Lightning protection is provided by surge arrestors in the junction box and earth rods located adjacent to each pair of Weigh Bars.

Please see overleaf for Features & Benefits

Avery Weigh-Tronix

Weigh Bar® Features & Benefits

Features	Benefits
◆ 10 times more reliable than load cell installations.	Less downtime lower cost of ownership.
◆ No mechanical restraints or stops	Less maintenance. Reduced physical damage. Lengthens the life of the weighbridge.
◆ 500,000 in service over 20 years	Peace of mind with a proven design.
◆ Inherent lightning protection by design.	Total reliability, less downtime.
◆ Impervious to end, side and torque loads.	Consistent accuracy in arduous conditions. Faster weighing cycles. Prevents costly repairs and downtime.
◆ 5000 division accuracy as standard.	10 kg in 50 tonnes less give away at no extra cost.
◆ Completely sealed and airtight. Designed and tested to exceed IP67.	Total reliability means less downtime.
◆ Stainless steel sheathed cables.	Protects cables from accidental damage and rodent attack. Prevents costly repairs and downtime.
◆ Weigh Bars mount off the ground.	Out of the dirt and water, no need for costly stainless steel construction. Ensures a longer life.