

Column Type



IN-ZS02 - Column Load Cell with Anti-Tilting and Anti-Rotation Protection

The IN-ZS02 load cell is used in the manufacture / upgrading of truck scales, weighbridges, and multi-ton bunker scales, as well as in test benches and test and measurement equipment.

Due to its high metrological characteristics, this type of sensor is widely used in many industrial weighing systems. The body is made of laser-welded nickel-plated steel, the protection grade of the load cell is IP68 (full protection against dust and moisture).

Special anti-rotatable mounting accessories with reliable U- construction. Product can be fixed with the platform through fixing bolts in the factory. There is no need for position locate in the field

Key Features:

- Anti-tilting and anti-rotation design for enhanced installation stability
- Improved column structure with superior load-bearing capacity
- Laser-welded with six-layer sealing for outstanding waterproof protection
- The top built-in unit is adapted for quick replacement of the dual shear beam type load cells (HQS02 and other)

Specification

Rated load (Emax)	10t, 20t, 30t, 40t, 50t	Insulation resistance	$\geq 5000M\Omega$
Sensitivity	$2 \pm 0.002mV/V$	Operating Temp Range	$(-35 \sim +65)^{\circ}C$
Combined error	$\pm 0.02 \% F.S$	Safe load limit	150 % F.S
Creep/30min	$\pm 0.025 \% F.S/30min$	Ultimate overload	200%F .S
Zero balance	$\pm 1 \% F.S$	Recommend excitation	5~12V DC
TCO	$\pm 0.02 \% F.S/10^{\circ}C$	Max excitation	18V DC
TC SPAN	$\pm 0.02 \% F.S/10^{\circ}C$	Protection Class	IP68
Input resistance	$700 \pm 10\Omega$	Material	Alloy steel
Output resistance	$701 \pm 5\Omega$		

Main Dimensions

