

Column Type



IN-ZS01-D – Digital Column Load Cell with Anti-Tilting and Anti-Rotation Protection

The IN-ZS01-D is a digital column load cell with an enhanced structural design that offers superior load-bearing performance compared to conventional column load cells. It is engineered to eliminate typical issues such as tilting, rotation, and long-term zero drift associated with existing column load cell designs.

Thanks to its integrated structure the IN-ZS01-D is easy to install, replace, and maintain. Advanced laser welding combined with a six-layer sealing process provides excellent waterproof and moisture-proof performance, ensuring reliable operation even in harsh environments.

The load cell is equipped with a new-generation B6 digital module supporting offline cloud encryption, cloud computing, and advanced anti-cheating functionality. HZS01-D delivers excellent data consistency, high interchangeability, and requires no recalibration after replacement.

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

Specification

Rated load (E _{max})	10t, 20t, 30t, 40t, 50t	Insulation resistance	≥5000MΩ
Sensitivity	2±0.002mV/V	Operating Temp Range	(-35~+65)°C
Combined error	±0.02 % F.S	Safe load limit	150 % F.S
Creep/30min	±0.025 % F.S/30min	Ultimate overload	200%F .S
Zero balance	±1 % F.S	Recommend excitation	5~12V DC
TCO	±0.02 % F.S/10°C	Max excitation	18V DC
TC SPAN	±0.02 % F.S/10°C	Protection Class	IP68
Input resistance	700±10Ω	Material	Alloy steel
Output resistance	701±5Ω		

Main Dimensions

