

HSQB/HSQB-SS



Shear Beam

HSQB/HSQB-SS – shear beam load cell

The HSQB is a shear beam load cell designed for precise force and weight measurement in a variety of industrial applications. It is available in nickel-plated alloy steel or stainless steel (HSQB-SS), depending on environmental and operational requirements.

This model is suitable for both static and dynamic load measurement and features a wide capacity range with overload tolerance up to 150% of the rated load. It is commonly used in electronic platform scales, ground weighers, single-track scales, and hopper weighing systems.

Thanks to its robust and compact design, the HSQB is easy to install and transport. The durable construction ensures reliable performance across a wide range of temperatures and harsh industrial environments.

HSQB01-A: Equipped with a short-height foot for low-profile weighing platforms

HSQB01-B: Equipped with a load introduction ball for self-aligning installation



Specification			
Rated load (E _{max})	0.25~2.5t, 3~5t, 7.5~10t	Insulation resistance	≥5000MΩ
Sensitivity	3.0±0.006 % mV/V	Operating Temp Range	(-30 ~ +70)°C
Combined error	±0.02 % F.S; ±0.03 % F.S	Safe load limit	150 % F.S
Creep/30min	±0.02 % F.S/30min	Ultimate overload	180 % F.S
Zero balance	±1 % F.S	Recommend excitation	10 ~ 12V DC
TCO	±0.02 % F.S/10°C	Max excitation	15V DC
TC SPAN	±0.02 % F.S/10°C	Protection Class	IP67 (0.25~0.75t); IP68 (1~10t)
Input resistance	400±20Ω	Material	Alloy steel Stainless steel
Output resistance	352±3Ω	Cable	Length: 3.4m Diameter: ø5mm

Main Dimensions																																																													
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