

Bending Beam

HBW01 - bending beam load cell.



This type of load cell is used in the production of tank scales, belt scales, batching weighing systems, and other weighing systems. It has proven to be one of the high-quality structural solutions for industrial applications. Thanks to its low profile and high metrological characteristics, this type of load cell is widely used in many industrial weighing systems.

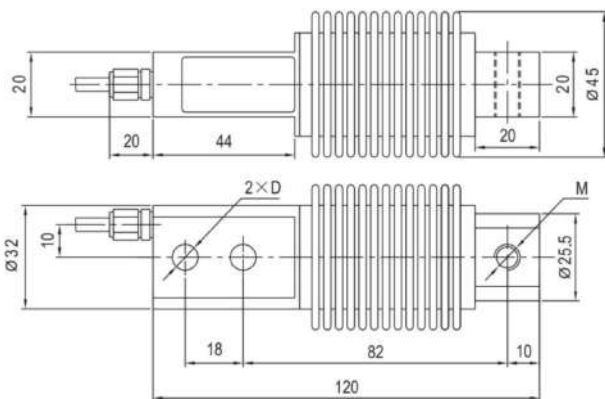
The load cell can be made of stainless steel or alloy steel with laser welding technology, ensuring a protection class of IP68 (complete dust and moisture protection).

The HBW01 load cell, manufactured from stainless steel, is suitable for use in harsh industrial environments, including alkaline and acidic conditions, such as meat processing plants and dairy factories.

Specification

Rated load (E _{max})	5, 10, 20, 25, 30, 40, 50, 75, 100, 150, 200, 250, 300, 500kg	Insulation resistance	≥5000MΩ
Sensitivity	2.0±0.002mV/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	200 % F.S
Zero balance	±1 % F.S	Recommend excitation	10 ~ 12V (DC or AC)
TCO	±0.02 % F.S/10°C	Max excitation	15V DC
TC SPAN	±0.02 % F.S/10°C	Protection Class	IP68
Input resistance	400±10Ω	Material	Alloy steel/Stainless steel
Output resistance	352±2Ω	Cable	Length: 3m Diameter: ø6mm

Main Dimensions



(kg) Rated load

5, 10, 20, 30, 40, 50, 75, 100, 150, 200, 250

D **M**

ø8.2 M8

300, 500

ø10.2 M10

