



### HSB-M – Shear Beam Load Cell Weighing Module

#### Key Features:

- High Precision, High Reliability, Safety
- 360 degree position limit protection
- Anti tilt protection
- Used both in dynamic and static environments
- Overload protection

### Specification

Rated load (E <sub>max</sub> )	0.3~3t, 5, 7.5, 8	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; 120%F.S(20~25t)
Creep/30min	±0.02 % F.S/30min	Ultimate overload	250%F.S; 200%F.S(20~25t)
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(0.3~0.5t); IP68(1~25t)
Input resistance	400±10Ω	Material	Alloy steel Stainless steel
Output resistance	352±3Ω	Cable	Length: 2.6m(0.3~2t); 3.5m(3t); 5.2m(5~8t); 7m(10t); 12m(15~25t) Diameter: ø5mm(0.3~8t); ø6mm(10~25t); (0.3~25t)

### Main Dimensions

#### Circuit Diagram

- Fixed Module
- Float Module
- Semi-float Module



Rectangle install

(t) Rated load	H	H1	H2	L	L1	L2	L3	A	A1	B	B1	C	D
0.5~1	105.4	12.7	19.1	180	152.4	114	89	114	89	114	89	11	11
2~3	107.4	12.7	19.1	180	152.4	114	89	114	89	114	89	11	11
5~8	137	19.1	25.4	235	184.2	152.4	101.6	152.4	101.6	152.4	101.6	17.5	17.5

