

HBS | Bending Beam



DESCRIPTION

The HBS is a fully weld-sealed stainless steel bending type Load Cell. It is designed for platform scales, belt scales, tank scales and hopper scales etc. Approved to OIML. It is available with Ex ia IIC T4 approval in hazardous areas. (only for capacities of 10~500kg)

Specifications

Capacity		kgf	10, 20, 50, 100, 200, 500, 1K, 2K	
Rated Output		mV / V	2.0 ± 0.005	
Zero Balance		mV / V	0.0 ± 0.02	
Accuracy Class		-	D3	C3
Non-Linearity		% R.O.	≤ 0.03	≤ 0.02
Hysteresis		% R.O.	≤ 0.03	≤ 0.02
Combined Error		% R.O.	≤ 0.03	≤ 0.02
Repeatability		% R.O.	≤ 0.01	≤ 0.01
Creep for 30min.		% R.O.	≤ 0.03	≤ 0.017
Return for 30min.		% R.O.	≤ 0.03	≤ 0.017
Resolution		-	≤ 1/3000	≤ 1/5000
Division		mV / V	0.00067	0.0002
Temperature Effect on	- Zero Value	%/10°C	≤ 0.028	≤ 0.014
	- Output Value	%/10°C	≤ 0.015	≤ 0.011
Excitation	- Recommended	V	10	
	- Maximum	V	15	
Resistance	- Input	Ω	400 ± 20	
	- Output	Ω	350 ± 3.5	
	- Insulation	MΩ	> 2000	
Compensated Temperature Range		°C	-10 to +40	
Operating Temperature Range		°C	-30 to +80	
Material & Plate		-	Stainless Steel, Buffing	
Cable Specification		-	Ø5.4 x 4P x 3M (Urethane)	
Safety Overload		% R.L.	150%R.L.	
Platform Size		mm	Without Limit	



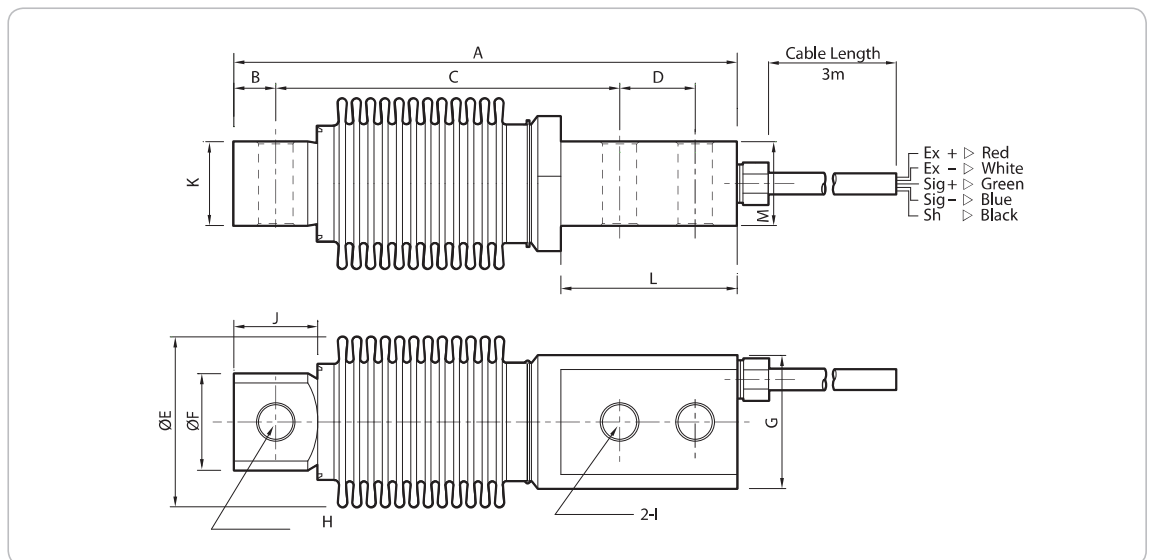
Features

- ▶ Max capacities of 10~2,000kg
- ▶ OIML C3 approval (OIML R60)
- ▶ Fully welded, Stainless steel
- ▶ Braided shield 4 wire cable with urethane-jacket

Options

- ▶ Ball type accessory available
- ▶ Ex ia IIC T4 approval type (only for capacities of 10~500kg)

Dimension



Applications

- ▶ Platform scales
- ▶ Belt scales
- ▶ Tank and hopper scales

Capa.	A	B	C	D	E	F	G	H	I	J	K	L	M
10kgf~500kgf	120	10	82	18	Ø40	Ø23	31.75	Ø8.2	Ø8.2	20	20	42	20
1tf~2tf	210	20	125	50	Ø66	Ø40	52	Ø16	Ø18	40	30	90	40