



Main Features:

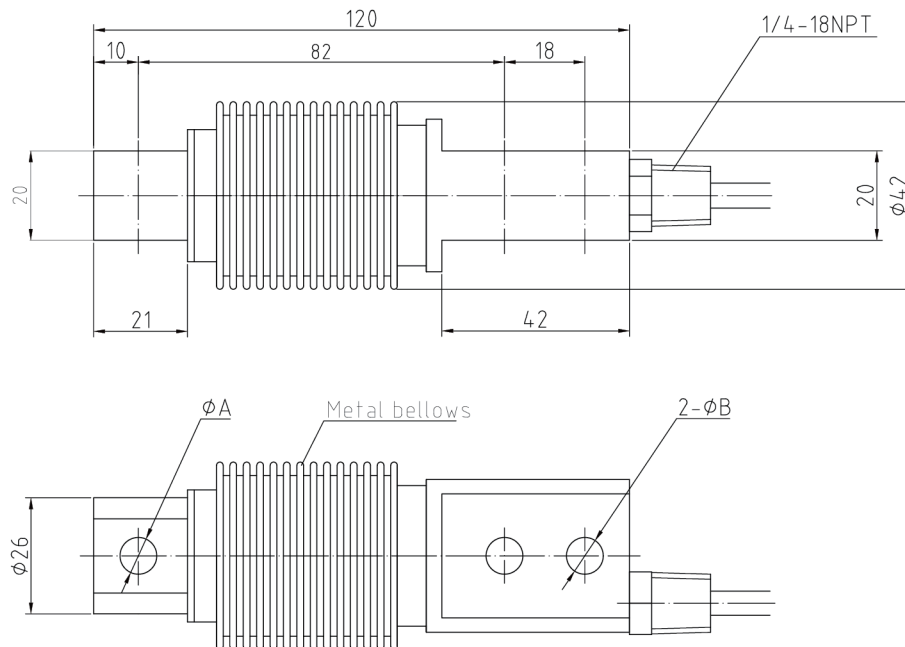
- Material: stainless steel
- Rated Capacities: 10kg-500kg
- OIML R60, NTEP HB44, CPA, CE and RoHS certified
- IP Rating: IP68 IP69K
- To be with dense corrugated sleeve to improve performance of low capacity
- To be with robust connector with external thread to fit cable protective tube
- Suitable for waterproof scales, process weighing equipment in Harsh working conditions
- High accuracy of OIML R60 C6



Product description:

B570S is a bending-typed load cell, which is compact and high precision. Widely be applied onto process weighing, such as hopper scales, tank scales, silo scales, ect.

Dimensions (mm&inch):



Rated Capacity	A	B
kg/mm		
10-200	8.2	8.2
300, 500	10.5	11.1

B570S Bending Beam Load Cell Specifications

Parameter		Units	Specifications	
Model No.			B570S	
Rated capacity (E _{max})		kg	20 / 30 / 50 / 100 / 200/ 300 / 500	
Accuracy class ¹⁾²⁾			C3	C6
Min. dead load		kg	0	
Rated output		mV/V	2.0 ± 0.2	
Zero balance		% of E _{max}	± 1	
Repeatability error		% of AL ³⁾	< ± 0.010	< ± 0.005
Creep; 30 minute		% of AL	< ± 0.017	< ± 0.0083
Min. dead load output return (DR); 30 min		% of AL	< ± 0.017	< ± 0.0083
Temp. effect on	Min. dead load output	% of E _{max} /°C	< ± 0.0020	< ± 0.0014
	Rated output ²⁾	% of AL/°C	< ± 0.0012	< ± 0.0006
Temperature range	Compensated	°C(°F)	-10 to +40 [+14 to +104]	
	Operating		-40 to +65 [-40 to +149]	
	Safe storage		-40 to +80 [-40 to +176]	
Excitation voltage	Recommended	V AC/DC	5 ~ 15	
	Maximum		15	
Terminal resistance	Excitation	Ω	384 ± 5	
	Output		350 ± 3	
Insulation resistance @50VDC		MΩ	> 5000	
Breakdown voltage		V AC	> 500	
Seal type / IP rating			Hermetically welded / IP68 IP69k	
Load limit	Safe	% of E _{max}	150	
	Ultimate		300	
Material	Spring element		Stainless steel	
	Cable connector		Stainless steel [1/4-18NPT]	
	Cable		Φ5.6; 4-wire; PVC	
Cable length		m	3.0	
Weight; approx		kg	0.6	
Fatigue life		cycles @E _{max}	> 1,000,000	
Deflection at E _{max} ; approx		mm	< 0.5	
Barometric pressure effect on Zero Output		Vmin/kPa	< 1.0	
Mounting screw	Size/Grade		≤ 200kg: M8*1.25-10.9	≥ 300kg: M10*1.5-10.9
	Recommended torque	N.m(ft-lb)	26(20)	54(40)

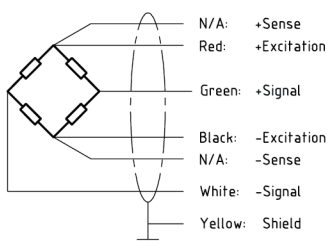
Notes:

¹⁾ Error due to the combined effect of non-linearity and hysteresis

²⁾ The sum of errors due to Temperature Effect on Output comply with the requirements of OIML R60 and NIST HB44

³⁾ AL = Applied Load

Cable Colour Code: 4-wire [Optional: 6-wire]



Shield connected to load cell body

Interchangeable Products:

Manufacturer	Model
HBM	Z6