

Type SSB-IV Load Cell



Short Description



- Stainless steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for pallet, platform and small hopper scales.
- High accuracy
- Current calibrated (sc-option)



Test certificate no. TC7868 Revision 1
C of C no R60/2000-NL1-12.50
Certificate no. 06-089A1

Available Models

P/N	Capacity	Accuracy	Full Article Description
722084200	5kg	C3/C4	SSB-IV-C3/C4/-5kg-4B
722084210	10kg	C3/C4	SSB-IV -C3/C4/-10kg-4B
722084220	20kg	C3/C4	SSB-IV -C3/C4/-20kg-4B
722084230	30kg	C3/C4	SSB-IV -C3/C4/-30kg-4B
722084240	50kg	C3/C4	SSB-IV -C3/C4/-50kg-4B
722084250	75kg	C3/C4	SSB-IV -C3/C4/-75kg-4B
722084260	100kg	C3/C4	SSB-IV -C3/C4/-100kg-4B
722084270	200kg	C3/C4	SSB-IV -C3/C4/-200kg-4B
722084280	250kg	C3/C4	SSB-IV -C3/C4/-250kg-4B
722084290	300kg	C3/C4	SSB-IV -C3/C4/-300kg-4B
722084300	500kg	C3/C4	SSB-IV -C3/C4/-500kg-4B
722084310	1000kg	C3/C4	SSB-IV -C3/C4/-1000kg-4B

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Technical Specifications SSB-IV

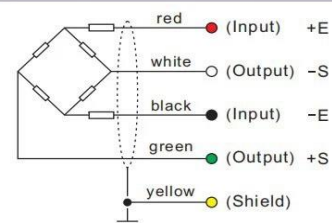
Accuracy Class		C3	OIML R60 C3	OIML R60 C4
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (Emax)	kg	5,10,20,30,50,75,100,200,250,300,500,1t		
Max. Number of Load Cell Intervals	nLc	3000	3000	4000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	10000	15000
Combined Error	%FS	≤± 0.020	≤± 0.020	≤± 0.018
Minimum dead load	Of Emax	0%		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	of FS	< ± 2.0 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Input resistance	Ω	385 ± 20		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	≥5000 (at 50VDC)		
Compensated temperature	°C	-10 ~ +40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +80		
Element material		Stainless steel		
Ingress Protection (acc. to EN 60529)		IP68/69		
Recommended torque on fixation bolts	Nm	M8: 25	M10: 50	
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL IIC T4		

Wiring

Features:

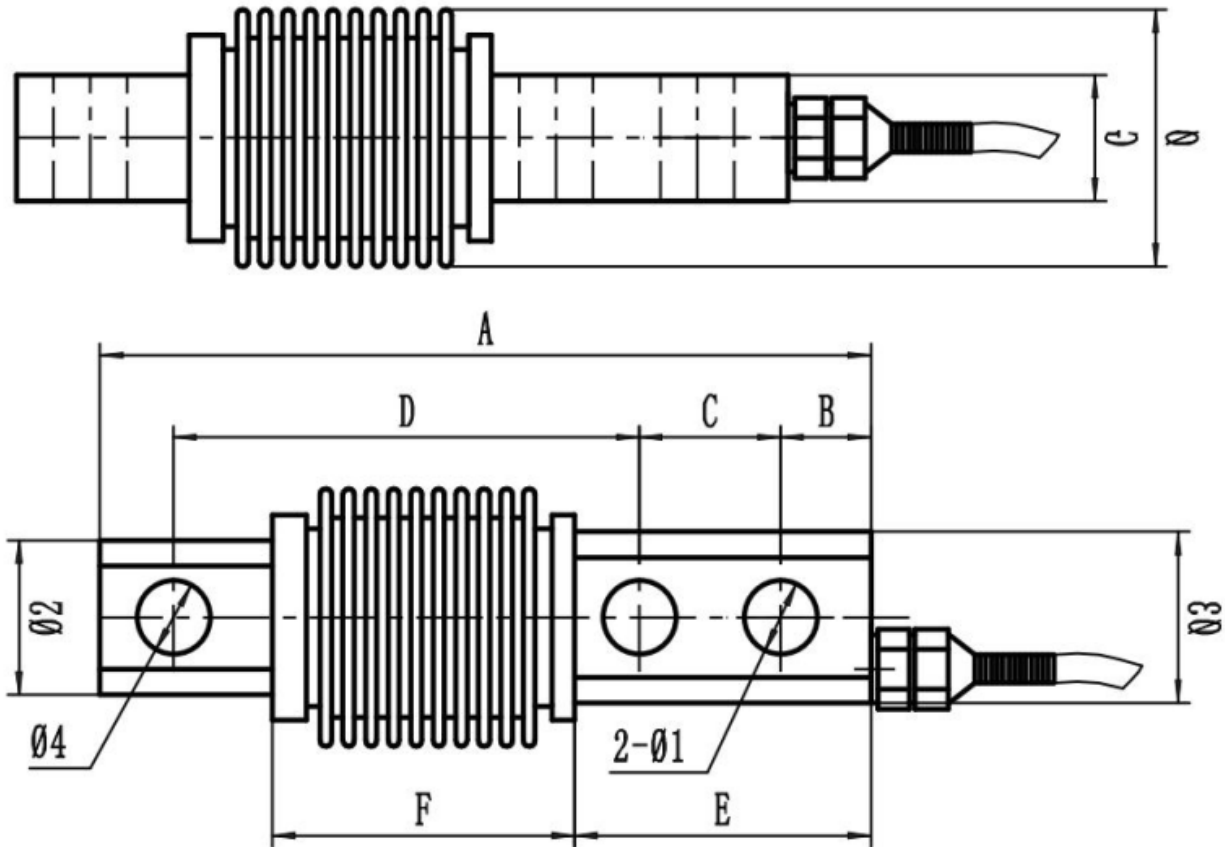
Shielded, 4 conductor cable.
Cable diameter: Ø5.3mm.
Standard cable length for 50kg – 2t: 3m and for 2t – 10t: 6m
cable length for(50kg-10t : 6m)
Shield connected to element.
Cable jacket in PVC.

Mode of Connection



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Dimensions in mm



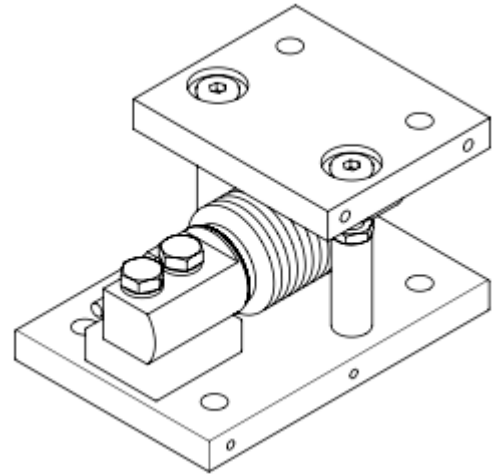
Range kg	A	B	C	D	E	F	G	H	φ	Φ 1	Φ 2	Φ 3	Φ 4
5-300	123	13	18	82	43	54	20	20	45	8.2	27	32	8.2
500-1000	123	13	18	82	43	54	20	20	45	10.5	27	32	10.5

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Available accessories

SSB-IV-401-5-1000kg mount

- Stainless steel mount
- Easy load cell access
- Self-aligning construction
- Lift-off protection
- Controlled horizontal movement



SSB-IV-220-5-1000kg foot

- Stainless steel
- Elastomer foot
- Adjustable height

