

Type PST Load Cell



Short Description



- Nickel plated alloy steel IP67 "S" type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing Devices
- Also available in imperial capacities and dimensions



Test certificate no. TC7868 Revision 1
C of C no R60/2000-NL1-12.52



Certificate no. 06-099A1

Available Models

P/N	Capacity	Accuracy	Full Article Description
72218100	10kg	C3 Excluded from OIML	PST-C3-10kg-3B
72218101	15kg	C3 Excluded from OIML	PST -C3-15kg-3B
72218102	20kg	C3 Excluded from OIML	PST -C3-20kg-3B
72218103	25kg	C3 Excluded from OIML	PST -C3-25kg-3B
72218104	50kg	C3/C4	PST -C3-50kg-3B
72218105	75kg	C3/C4	PST -C3-75kg-3B
72218106	100kg	C3/C4	PST -C3-100kg-3B
72218107	150kg	C3/C4	PST -C3-150kg-3B
72218108	200kg	C3/C4	PST -C3-200kg-3B
72218109	250kg	C3/C4	PST -C3-250kg-3B
722181010	300kg	C3/C4	PST -C3-300kg-3B
722181011	500kg	C3/C4	PST -C3-500kg-3B
722181012	750kg	C3/C4	PST -C3-750kg-3B
722181013	1t	C3/C4	PST -C3-1t-3B
722181014	1.5t	C3/C4	PST -C3-1.5t-3B
722181015	2t	C3/C4	PST -C3-2t-3B
722181016	2.5t	C3/C4	PST -C3-2.5t-3B
722181017	3t	C3 Excluded from OIML	PST -C3-3t-3B
722181018	5t	C3 Excluded from OIML	PST -C3-5t-3B
722181019	7.5t	C3 Excluded from OIML	PST -C3-7.5t-3B
722181020	10t	C3 Excluded from OIML	PST -C3-10t-3B

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Technical Specifications PST

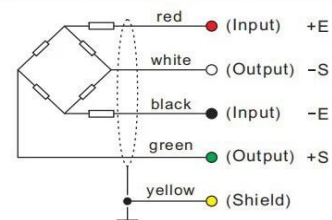
Accuracy Class		OIML R60 C3	OIML R60 C4	C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2 / 3.0 ± 0.2		
Maximum Capacity (Emax)	kg	10,15,20,25,50,75,100,150,200,250,300,500,750,1t 1.5t,2t,2.5t,3t,5t,7.5t,10t		
Max. Number of Load Cell Intervals	nLC	3000	4000	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000	15000	10000
Combined Error	%FS	≤± 0.020	≤± 0.018	≤± 0.020
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 ~ +70		
Element material		Nickel plated alloy steel		
Ingress Protection (acc. to EN 60529)		IP67		
Recommended torque on fixation bolts	Nm	M6,M8:25 M10: 50 M12:75 M20:450 M33:750 M42:1450		
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL IIC T4		

Wiring

Features:

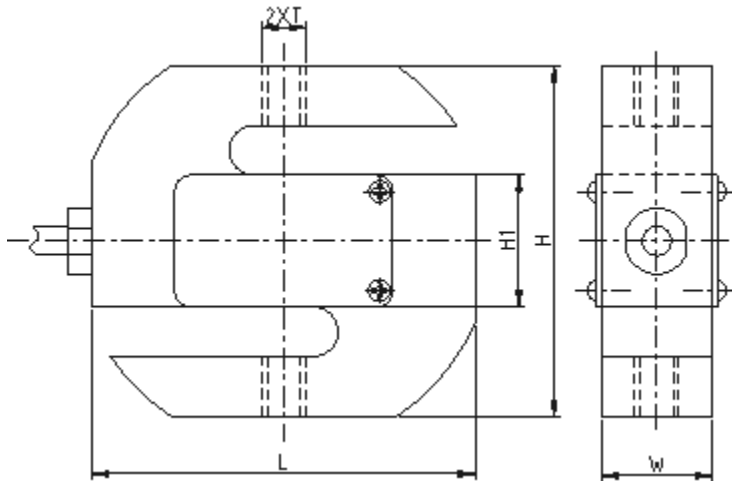
Shielded, 4 conductor cable.
Cable diameter: Ø5.3mm.
Standard cable length for 25kg – 1.5t: 3m and for 2t – 30t: 6m
Shield connected to element.
Cable jacket in PVC.

Mode of Connection



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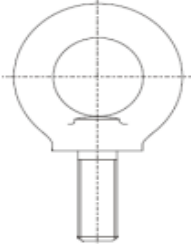


Dimensions in mm



Rated capacity	L	W	H	H1	T
20kg~150kg	70	12	64	24	M8
200kg~500kg	70	20	64	24	M12
700kg~1t	70	25	64	24	M12
1.2t~5t	88	32	90	38	M20
7.5t	88	40	90	38	M24
10t	110	50	110	46	M30X2

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Available accessories

<p>HL-3-001-25kg-5t hook</p> <ul style="list-style-type: none"> • Alloy Steel • Suitable for hybrid scales, crane scales, packaging scales and hopper scales 	
<p>HL-3-002-25kg-5t eye</p> <ul style="list-style-type: none"> • Alloy Steel • Suitable for hybrid scales, crane scales, packaging scales and hopper scales 	
<p>HL-3-003-25kg-5t rod end</p> <ul style="list-style-type: none"> • Alloy Steel • Suitable for hybrid scales, crane scales, packaging scales, hopper scales and other electronic weighing devices. 	
<p>HL-3-004-25kg-5t hook assembly</p> <ul style="list-style-type: none"> • Alloy Steel • Suitable for hybrid scales, crane scales, packaging scales, hopper scales and other electronic weighing devices. 	
<p>HL-3-005-25kg-5t eye assembly</p> <ul style="list-style-type: none"> • Alloy Steel • Suitable for hybrid scales, crane scales, packaging scales, hopper scales and other electronic weighing devices. 	