

Type HLJ Load Cell



Short Description

- **Stainless steel** IP68 shear beam load cell
- Adhesive sealed
- Suitable platform weighing, bed weighing, etc.
- High accuracy
- High reliability
- Current calibrated (sc-option)



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



Certificate no. 06-199-2A1

Available Models

P/N	Capacity	Accuracy	Full Article Description
722082705-0	250kg	C3	AM-HLJ-C3-250kg-4B
722082705-1	500kg	C3	AM-HLJ-C3-500kg-4B
722082705-2	1t	C3	AM-HLJ-C3-1t-4B
722082705-3	2t	C3	AM-HLJ-C3-2t-4B
722082705-4	3t	C3	AM-HLJ-C3-3t-4B
722082705-5	5t	C3	AM-HLJ-C3-5t-4B

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Technical Specifications HLJ

Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (Emax)	kg	250KG,500kg,1t,2t,3t,5t
Max. Number of Load Cell Intervals	nLc	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000
Combined Error	%FS	≤± 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	381 ± 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
Recommended torque on fixation bolts	Nm	
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 250kg – 5t 5m
Shield connected to element.
Cable jacket in PVC.

Mode of Connection

(Cable Color Code)

(GREEN) + (Excitation)
(BLACK) – (Excitation)
(WHITE) + (Signal)
(RED) – (Signal)
(YELLOW) (Shield)

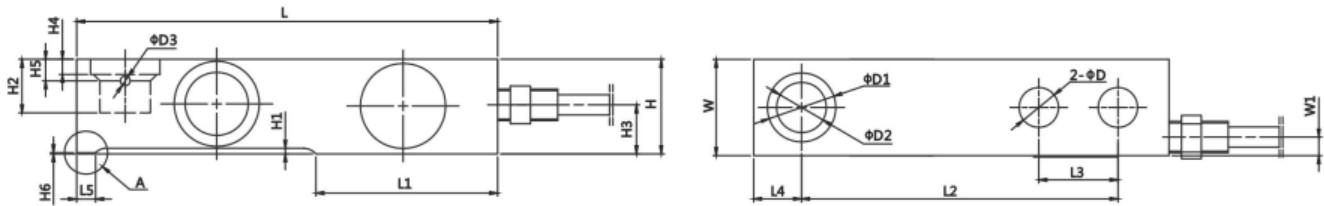
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Dimensions in mm

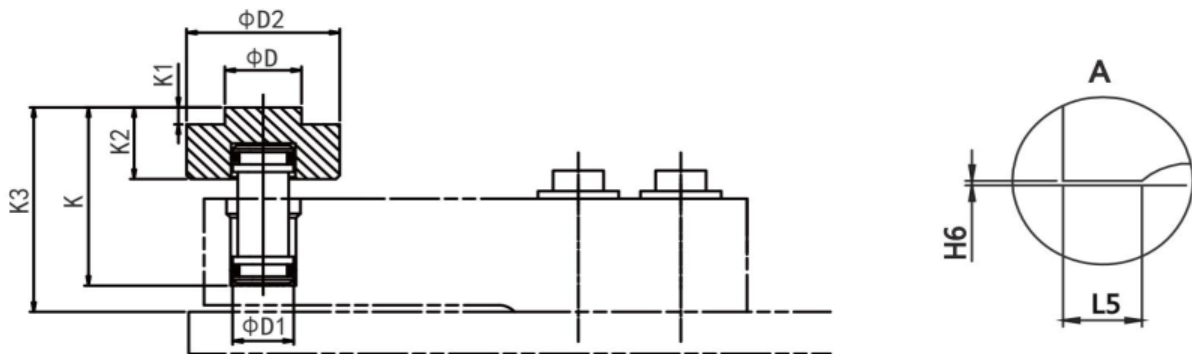
Product Size Fig

Unit:

mm



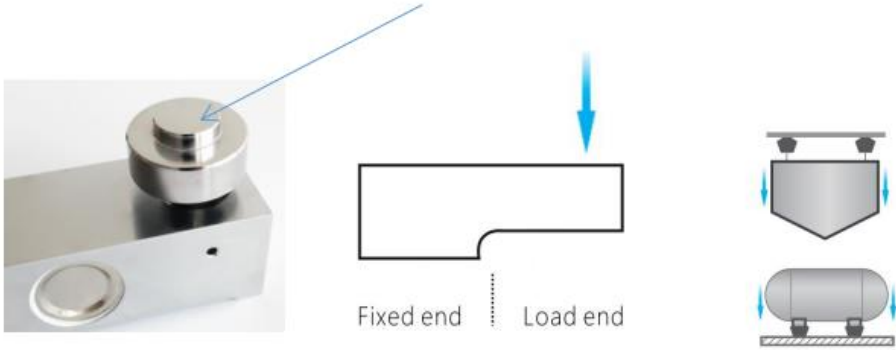
Range	D	D1	D2	D3	H	H1	H2	H3	H4	H5	H6	L	L1	L2	L3	L4	L5	W	W1
0.25/ 0.5/1T	12.7	22	15.9	3.1	30	1.9	17	15.9	4.7	7.7	0.38	133.4	57.6	101.6	25.4	15.4	6.4	30.7	5.2
2T	12.7	22	15.9	3.1	36.6	2.8	23	19.6	9.5	11.7	0.82	136.7	57.9	101.6	25.4	18.4	6.4	36.8	6
3T	15	22	15.9	—	36.6	1.2	23	19.6	9.5	11.7	—	139.7	57.9	104.6	25.4	18.4	—	39	6
5T	19	34.9	22.2	3.1	43	2	29.4	22.5	11	11.7	—	171.5	73.8	133.3	38.1	21.5	—	42.9	6



Range	K	K1	K2	K3	D	D1	D2
0.25-3T	47.8	4.2	19.0	61	19.0	15.2	38.0
2T	114.4	6.0	20.5	128.0	34.7	21.5	44.5

force diagram

Pressure points or support feet shall be added to the force point



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Available accessories

SPC -304-0.25->2t foot SPC -304-3T->5t foot - Stainless steel - Adjustable height	
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