



- Alloy steel IP67 beam load cell
- Adhesive sealed
- Suitable for platform weighing, bed weighing, etc.
- High accuracy, high reliability

Specifications

Accuracy class		C3
Output sensitivity	mV/V ¹	3.0 ± 0.003 ¹
Nominal capacity (E _{max})	t ²	0.1, 0.25, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10
Maximum number of load cell intervals (n _{LC})		3000
Ratio of minimum LC verification interval $\gamma = E_{\max} / v_{\min}$	γ	10000
Combined Error	%FS	≤ ± 0.023
Minimum dead load	t	0
Safe overload	of E _{max}	150 %
Ultimate overload	of E _{max}	300 %
Zero balance	of FS	≤ ± 1.0 %
Excitation, recommended voltage	V AC/DC	5 ~ 12
Excitation maximum	V AC/DC	18
Input resistance	Ω	350 ± 3.5
Output resistance	Ω	350 ± 3
Insulation resistance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ... +40
Temperature range, operating	°C	-35 ... +65
Element material		Alloy steel, nickel plated
Recommended torque on fixation bolts	Nm	M12: 100; M18: 200; M24: 700

Note 1: Current calibration (SC) is optional. Note 2: Imperial capacities also available.

Capacity	Accuracy	Type	Part-Number
100 kg	C3	Bending	AS8C-C3-100kg-4B
250 kg		Bending	AS8C-C3-250kg-4B
500 kg		Shear	AS8C-C3-500kg-4B
1t		Shear	AS8C-C3-1.0t-4B
1,5t		Shear	AS8C-C3-1.5t-4B
2t		Shear	AS8C-C3-2.0t-4B
2,5t		Shear	AS8C-C3-2.5t-6B
3t		Shear	AS8C-C3-3.0t-6B
5t		Shear	AS8C-C3-5.0t-6B
10t		Shear	AS8C-C3-10t-6B

PITCH TECHNOLOGIES

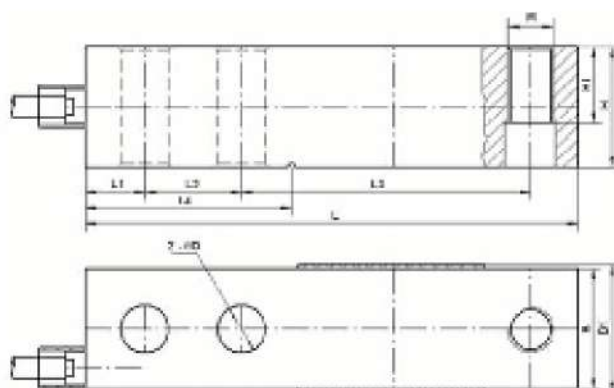
Votre contact VARIOHM en France | 01 34 85 54 68 | <https://pitch-technologies.fr> | info@pitch-technologies.fr

Load Cell - AS8C Series 02/24

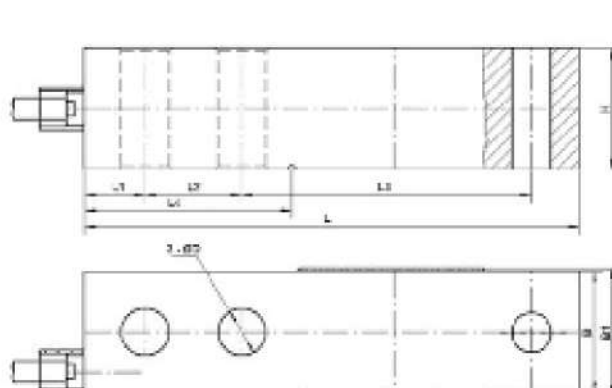


Outline dimensions - mm

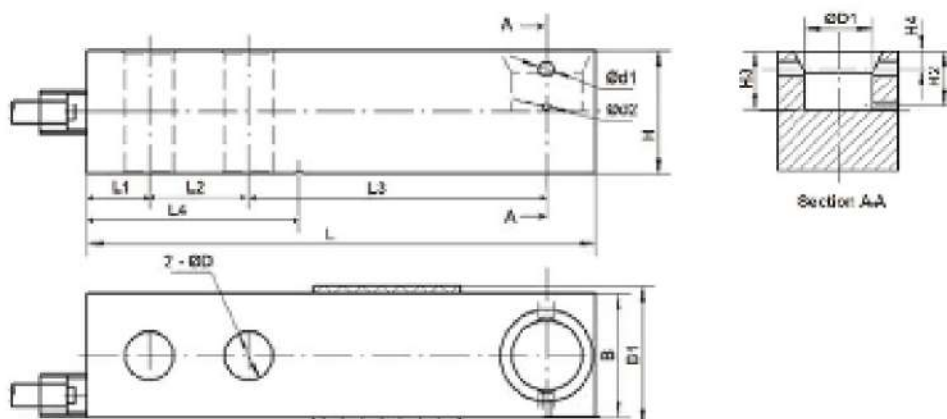
Standard version



Option W4 (through loading hole)

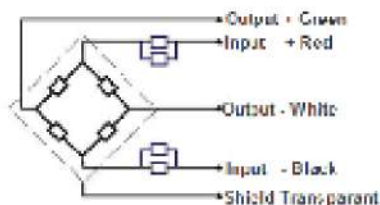


Option W6 ("T" end loading hole)

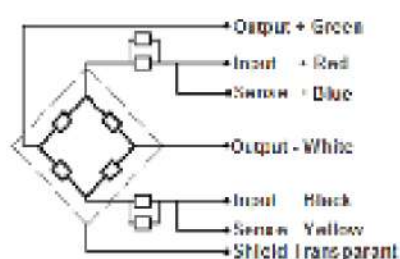


Wiring

4-wire:



6-wire:



- Shielded, 4 conductor cable: Ø 5mm
- Standard cable length: 4m up to 2t and 6m for the higher capacities
- Shield is not connected to the element
- Cable type and length can be changed on customer's request

Capacity	L	L1	L2	L3	L4	B	B1	H	H1	H2	H3	H4	ØD	ØD1	Ød1	Ød2	M
0,1t – 2t	130	15,8	25,4	76,2	54,2	31,8	34	31,8	15,8	14,5	15,8	4,8	13,5	18	4	2	M12x1,75
2,5t – 5t	171,5	19,1	38,1	95,3	77,2	38,1	40	38,1	18,8	17,5	18,8	4,8	19,8	25	4	2	M18x1,5
10t	222,3	25,4	50,8	120,7	101,6	50,8	52,4	50,8	25,4				26				M24x2
20Klb	222,3	25,4	50,8	120,7	101,6	50,8	52,4	50,8	25,4				26				1-12UNF

Ordering information

