



AE Sensors B.V.
Jan Valsterweg 92
3315 LG Dordrecht
Tel.: +31 (0)78 6213152


AE-B3-G“S”-type Loadcell

For Tension and Compression Loadcells



Short description:

- Stainless 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. D09-06.07
C of C no R60/2000-CNI-06.02

 Certificate no. 06-099A1

Available models:

Capacity	Full article description	Accuracy
50 kg	AE-B3-G-C3-50kg-6B	C3
100 kg	AE-B3-G- C3-100kg-6B	C3
250 kg	AE-B3-G- C3-250kg-6B	C3
500 kg	AE-B3-G- C3-500kg-6B	C3
1 t	AE-B3-G- C3-1t-6B	C3
2,5 t	AE-B3-G- C3-2,5t-6B	C3
5 t	AE-B3-G- C3-5t-6B	C3
7,5 t	AE-B3-G- C3-7,5t-6B	C3
10 t	AE-B3-G- C3-10t-6B	C3

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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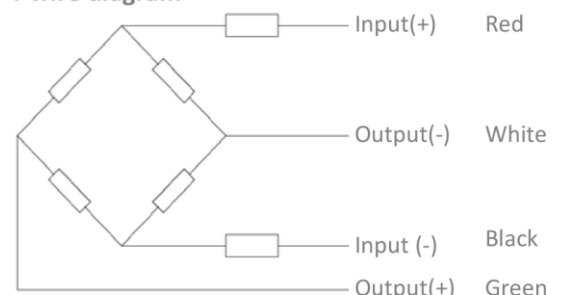
Detailed specifications:

Accuracy class		OIML R60 C3		
Output sensitivity (= FS)	mV/V	3.0 ± 0.008		
Maximum capacity (Emax)	t	0.05, 1	0.25, 0.5, 1, 2.5	5, 7.5, 10
Max. number of load cell intervals	n_{LC}	3000		
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	7000	10000	12000
Combined Error	%FS	≤± 0.0200		
Minimum dead load	of Emax	0%		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	of FS	< ± 1.0 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Input resistance	Ω	430 ± 50		
Output resistance	Ω	351 ± 2		
Insulation resistance	MΩ	≥5000 (at 50VDC)		
Compensated temperature	°C	-10 ~ +40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Ingress Protection (acc. to EN 60529)		IP67		
Recommended torque on fixation	Nm	M8:25	M12:75	M20:450 M24:750 M30:1450
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

Wiring:

- Shielded, 4 conductor cable.
- Cable diameter: Ø 5mm.
- Standard cable length: 6m.
- Shield not connected to element.

4-wire diagram



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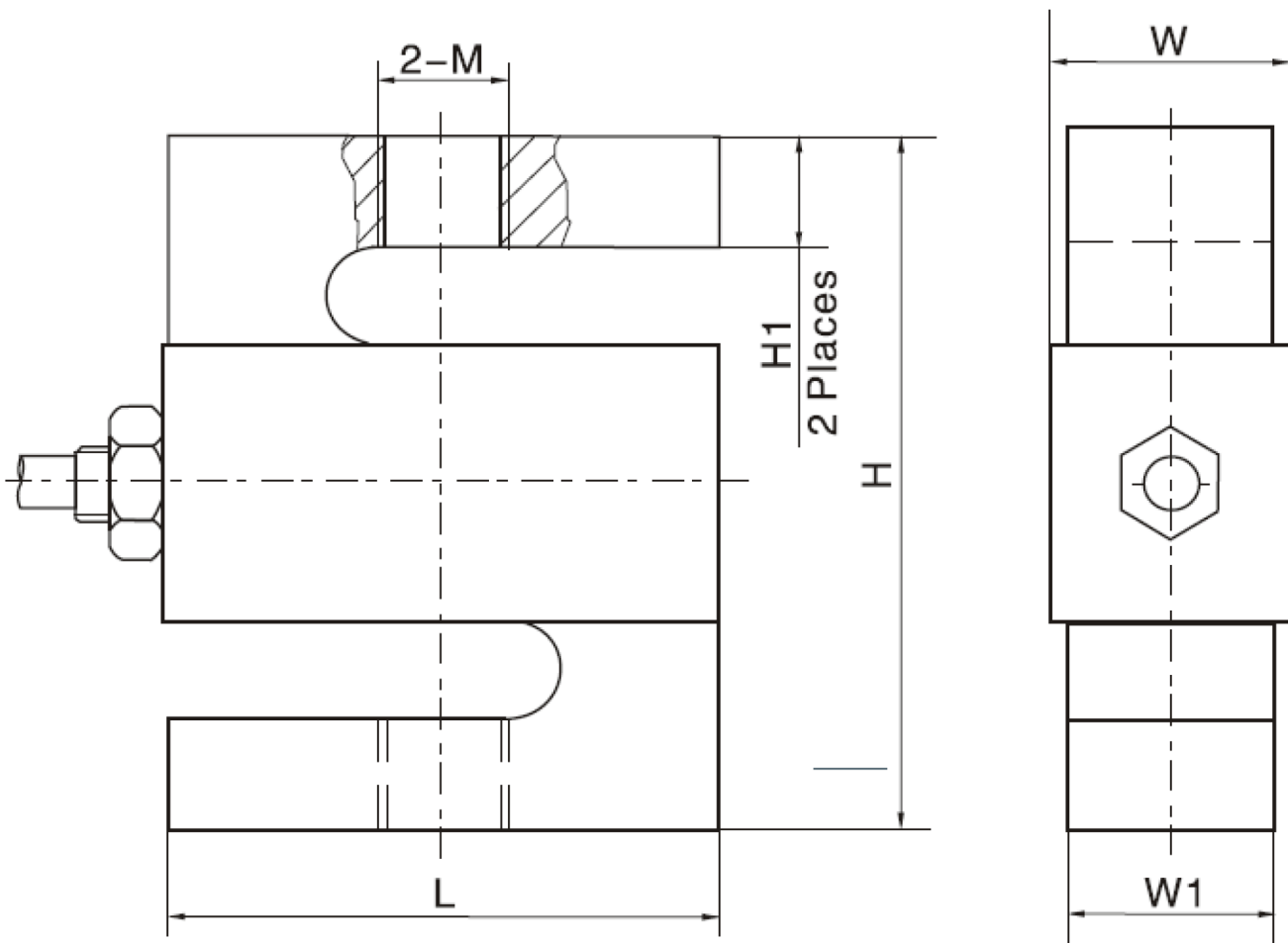


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Dimensions in mm:



Dimension Capacity	L	H	H1	W1	W	M
50-100 kg	50,8	60,96	8,89	11,68	15,06	M8
250-500 kg	50,8	60,96	8,89	18,03	21,41	M12
1 t	50,8	60,96	8,89	24,38	27,76	M12
2,5 t	76,2	99,06	13,97	24,38	27,76	M20 x 1,5
5 t	74,68	99,06	18,37	30,74	34,12	M20 x 1,5
7,5 t	87,38	139,7	27,5	37,08	40,46	M24 x 2
10 t	112,78	177,8	39,9	42,93	46,31	M30 x 2

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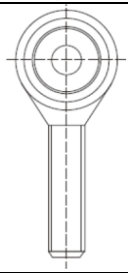
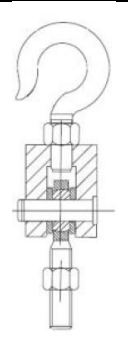
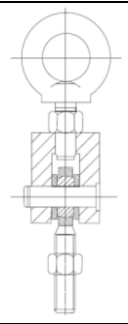
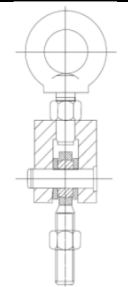


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Available accessories:

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

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