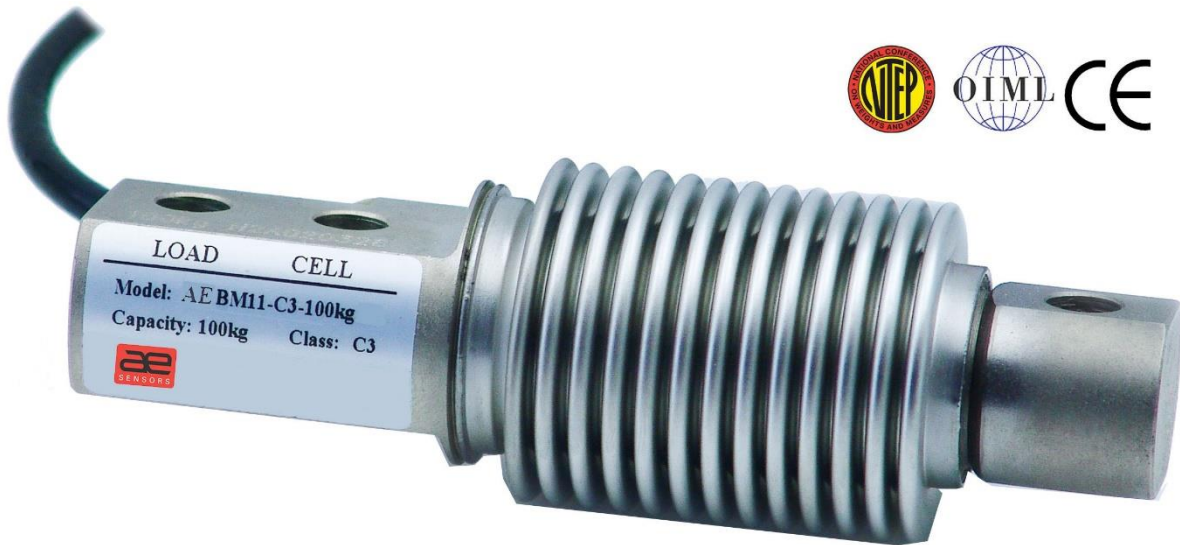




# AE-BM11 type Loadcell

For bending beam Loadcells



## Short description:

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



OIML Test certificate no. TC8104 Revision 2  
C of C no R60/2000-NL1-13.20 Revision 1  
Certificate no. 10-056A1

## Available models:

Capacity	Full article description	Accuracy
5 kg	AE-BM11-C3-5kg-3B-sc	C3 Excluded from OIML
10 kg	AE-BM11- C3/C4-10kg-3B-SC	C3/C4
20 kg	AE-BM11- C3/C4-20kg-3B-SC	C3/C4
30 kg	AE-BM11- C3/C4-30kg-3B-SC	C3/C4
50 kg	AE-BM11- C3/C4-50kg-3B-SC	C3/C4
100 kg	AE-BM11- C3/C4-100kg-3B-SC	C3/C4
200 kg	AE-BM11- C3/C4-200kg-3B-SC	C3/C4
250 kg	AE-BM11- C3/C4-250kg-3B-SC	C3/C4
350 kg	AE-BM11- C3/C4-350kg-3B-SC	C3/C4
500 kg	AE-BM11- C3/C4 -500kg-3B-SC	C3/C4

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

[WWW.AESENSORS.NL](http://WWW.AESENSORS.NL)



# AE-BM11 type Loadcell

For bending beam Loadcells

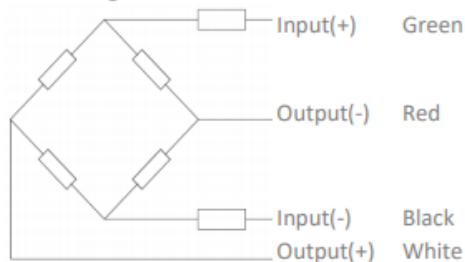
## Detailed specifications:

Accuracy class		C3	OIML R60 C3	OIML R60 C4
Output sensitivity ( = FS )	mV/V	2.0 ± 0.2		
Maximum capacity ( Emax )	t	5	10, 20, 30, 50, 100, 200, 250, 350, 500	
Max. number of load cell intervals	n <sub>LC</sub>	3000	3000	4000
Ratio of min. LC verification interval	Y = Emax / v <sub>min</sub>	10000	15000	
Combined Error	%FS	≤± 0.023		≤± 0.0174
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	460 ± 50		
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		Stainless steel		
Ingress Protection (acc. to EN 60529)		IP68		
Recommended torque on fixation	Nm	M8: 25	M10: 50	
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

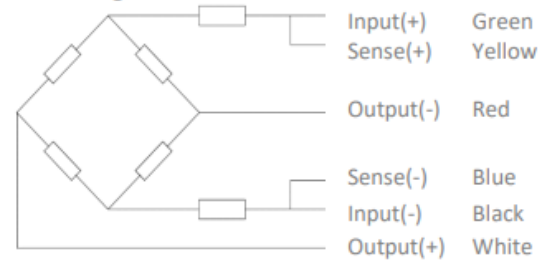
## Wiring:

- Shielded, 6 conductor cable and 4 conductor cable for all capacities.
- Cable diameter: Ø 5mm.
- Standard cable length for 4 conductor cable: 3m and for 6 conductor cable: 6m.
- Shield not connected to element.

4-wire diagram



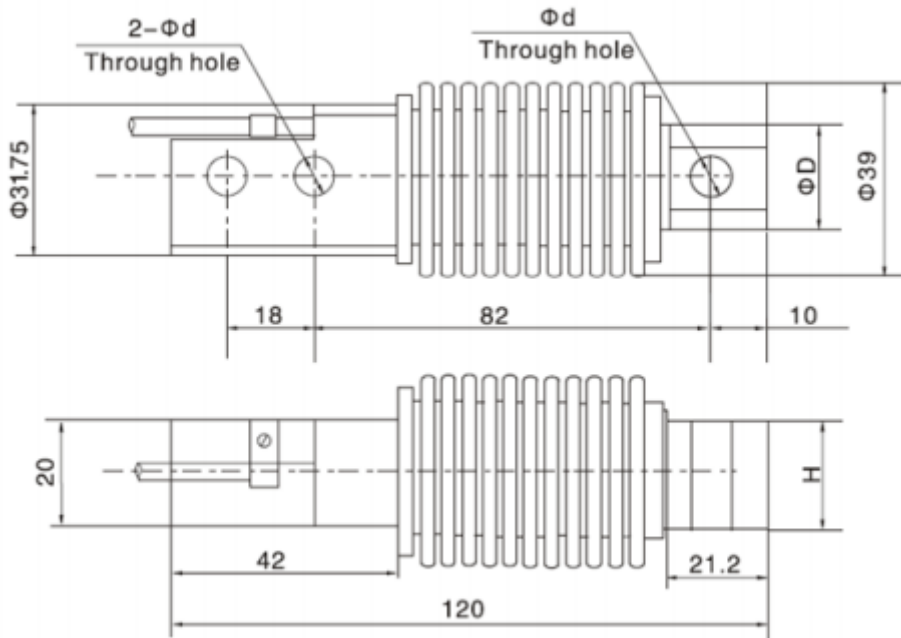
6-wire diagram



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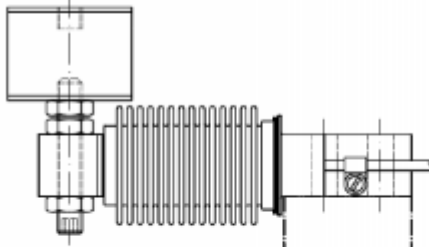
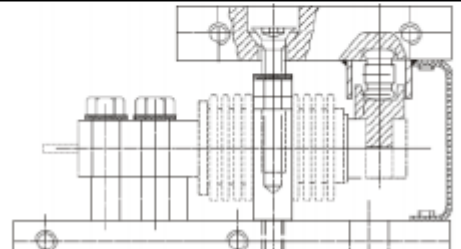
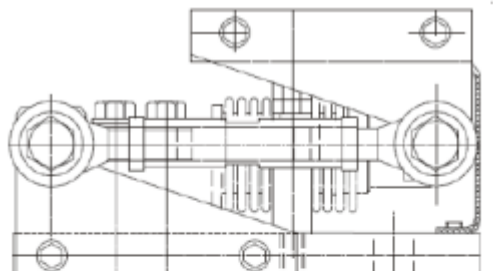
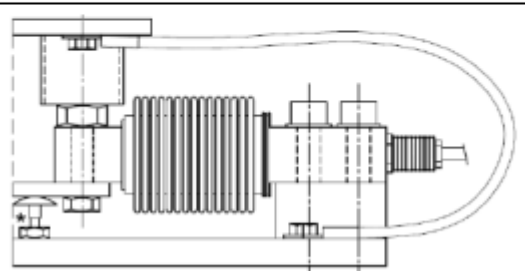
Dimensions in mm:



Dimension Capacity	d	D	H
5kg	8.2	23	20
10kg	8.2	23	20
20kg	8.2	23	20
30kg	8.2	23	20
50kg	8.2	23	20
100kg	8.2	23	20
200kg	8.2	23	20
250kg	10.3	24	19
350kg	10.3	24	19
500kg	10.3	24	19

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Available accessories:

<p><b>BJ-11-220-5-500kg foot</b></p> <ul style="list-style-type: none"> <li>• Stainless steel</li> <li>• Elastomer foot</li> <li>• Adjustable height</li> </ul>	
<p><b>BM-11-401-5-500kg mount</b></p> <ul style="list-style-type: none"> <li>• Stainless steel mount</li> <li>• Easy load cell access</li> <li>• Self aligning construction</li> <li>• Lift-off protection</li> <li>• Controlled horizontal movement</li> </ul>	
<p><b>BM-11-402-5-500kg Mount</b></p> <ul style="list-style-type: none"> <li>• BM-11-401 + Stay Rod</li> <li>• Stainless steel mount</li> <li>• Easy load cell access</li> <li>• Self aligning construction</li> <li>• Lift-off protection</li> <li>• Stabilized by stay rod</li> </ul>	
<p><b>BM-11-400-10-200kg Tank mount</b></p> <ul style="list-style-type: none"> <li>• Stainless steel mount</li> <li>• Easy load cell access</li> <li>• Lift-off protection</li> </ul>	

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