

# Type B6G Load Cell



## Short description



- Stainless steel IP66 single point load cell
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 600 x 600 mm

Non OIML approved

## Available models

Capacity	Accuracy	Full article description
100kg	C3	B6G-C3-100kg-3G6
150kg	C3	B6G-C3-150kg-3G6
200kg	C3	B6G-C3-200kg-3G6
250kg	C3	B6G-C3-250kg-3G6
300kg	C3	B6G-C3-300kg-3G6
500kg	C3	B6G-C3-500kg-3G6
600kg	C3	B6G-C3-600kg-3G6

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

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## Detailed specifications B6G

Accuracy class		C3
Output sensitivity ( = FS )	mV/V	2.0 ± 0.2
Maximum capacity ( E <sub>max</sub> )	kg	100, 150, 200, 250, 300, 500, 600
Max.number of load cell intervals	n <sub>LC</sub>	3000
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	7500
Combined Error	%FS	≤± 0.0230
Minimum dead load	Of E <sub>max</sub>	0%
Safe overload	of E <sub>max</sub>	150 %
Ultimate overload	of E <sub>max</sub>	300 %
Zero balance	of FS	< ± 1.0 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	385 ± 5
Output resistance	Ω	350 ± 3
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)		IP66
Recommended torque on fixation	Nm	M8: 25
ATEX classification (optional)		II1G Ex ia II1C T4   II1D Ex iaD 20 T73°C   II3G nL IIC T4

## Wiring

### Wiring:

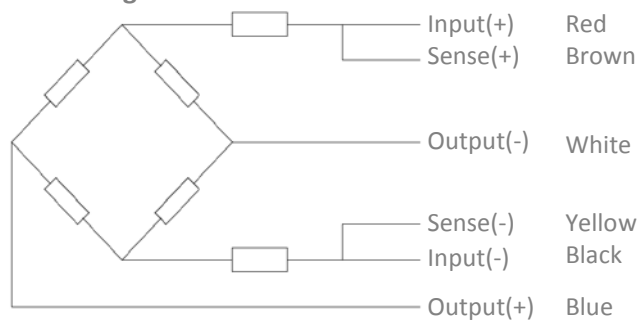
Shielded, 6 conductor cable.

Cable diameter: Ø6mm.

Standard cable length: 3m.

Shield connected to element.

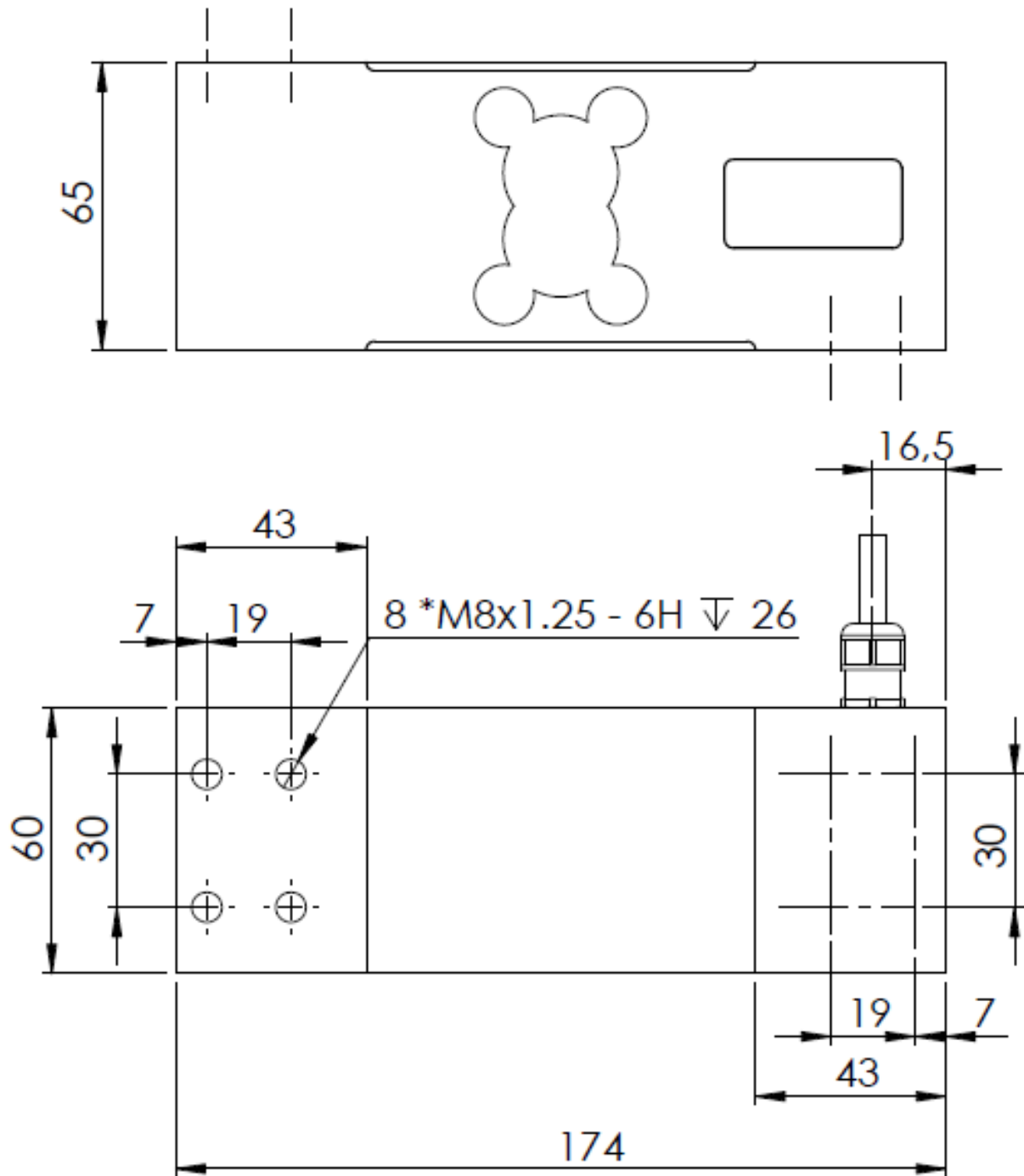
### 6-wire diagram



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Dimensions in mm



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