

Single Point Load Cell AG-C6 with a Rated Load of 18 ... 100 kg

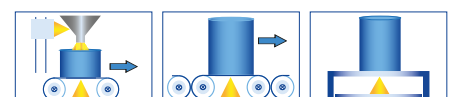


Performance Features

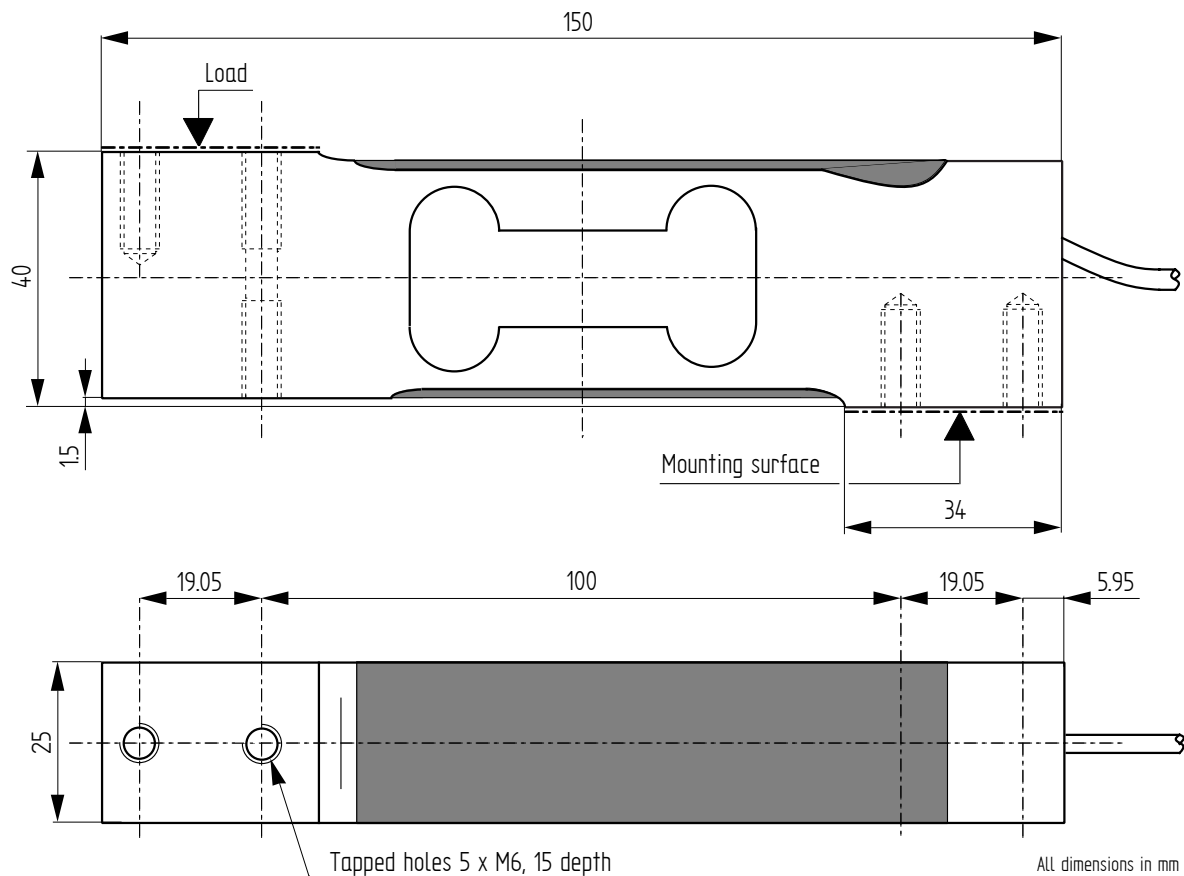
- Aluminum single point load cell
- 6000d OIML R60 approved
- Level of protection: IP65
- Designed for platforms of maximum dimensions 400 mm x 400 mm (off-center load compensated)
- Ideal for single point multi range scales or batching/ dosing machines
- ATEX 2014/34/EU version for hazardous area (option)

Application

- Food industry
- Coal and steel industry
- Chemical/pharmaceutical industry
- Waste management/recycling
- Packaging technology



Dimensions in mm



Article-No.	Version	Rated Load [kg]
117714	C6 18e	18
117716	C6 18e	36
117717	C6 10e	50
117718	C6 15e	75
117719	C6 10e	100

Connection Assignment

Electrical Connection	
Function	Wire Color
Excitation (+)	Brown ●
Signal (+)	Yellow ●
Signal (-)	White ○
Excitation (-)	Green ●
Sensing (+)	Gray ●
Sensing (-)	Pink ●

Technical Data

Type	AG C6		
Version		C6 18e	C6 10e/15e
Rated load E_{nom}	kg	18; 36	50; 75; 100
Maximum load for approved weighing E_{max}	kg	18; 36	50; 75; 100
Accuracy class OIML R60		C6	C6
Maximum numbers of load cell intervals n_{max}	d OIML	6000	6000
Minimum verification interval v_{min}	g	1; 2	5; 5; 10
Creep division factor $Z = E_{max}/2 \times DR$		6000	6000
Combined error	% E	± 0.008	± 0.008
Temperature coefficient of zero signal	% E/°C	± 0.008	$\pm 0.0014 / \pm 0.0009$
Temperature coefficient of characteristic value	% E/°C	± 0.0007	± 0.0007
Load creep $d_{cr, F}$ in 30 min.	% E	± 0.012	± 0.012
Zero balance	% E		± 10
Rated characteristic value C_{nom}	mV/V		2 ± 10 %
Rated range of excitation voltage $B_{U, nom}$	V		1 ... 15
Input resistance R_e	Ω		410 ± 15
Output resistance R_a	Ω		350 ± 5
Insulation resistance R_{is}	M Ω /50V		1000
Electrical connection		Cable, PVC, 1 m	Cable, PVC, 3 m
Rated temperature range $B_{T, nom}$	°C		-10 ... 40
Operating temperature range $B_{T, G}$	°C		-20 ... 60
Limit load E_{lim}	% E_{max}		150
Breaking load E_b	% E_{max}		200
Tightening torque	Nm		15
Maximum platform dimension	mm		400 x 400
Level of protection			IP65
Material			Aluminum
Weight	kg		0.45

Options

Article-No.	Description
111735	Protective coating
107798	ATEX 2014/34/EU, IECEx: ex II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80 °C Da, IP6X, -20 °C < Ta < +60 °C (zones gaz 0/1/2, dust 20/21/22)
115049	ATEX 2014/34/EU, IECEx: ex II 1 D, Ex ta IIIC T125 °C Da, IP6X, -20 °C < Ta < +60 °C (zones dust 20/21/22)
115048	ATEX 2014/34/EU, IECEx: ex II 3 G, Ex nA IIC T6 Gc, -20 °C < Ta < +60 °C (zone gaz 2)

Accessories

Electrical Connection

Article-No.	Description
10323	Male cable connector KS6 (6-pin, Series 581) incl. mounting
10320	Male cable connector KSSH15 (15-pin) incl. mounting
43418	Input connector ZA9612FS (ALMEMO) incl. sensor mounting and connector calibration
49205	Input connector ZKD712FS (ALMEMO 202) incl. sensor mounting and connector calibration

Accessories (continued)

Weighing Electronics

ALCJB-A	CPJ/CPJ2S	IPE50 Panel
 The image shows the ALCJB-A terminal block, which is a white plastic component with two rows of terminals. The top row has four terminals and the bottom row has six terminals. The internal wiring is visible through a transparent window.	 The image shows the CPJ/CPJ2S terminal block, which is a green plastic component with a single row of terminals. It has a compact, rectangular design.	 The image shows the IPE50 Panel, which is a black and blue electronic device. It features a red LED display showing the number '30.000'. Below the display are several buttons and a small indicator light.

Further suitable accessories you can find on our homepage under:

https://www.lorenz-messtechnik.de/english/products/lc_weighing-electronics.php