

Single Point Load Cell AG with a Rated Load of 2.5 kg

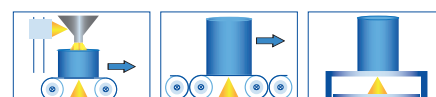


Performance Features

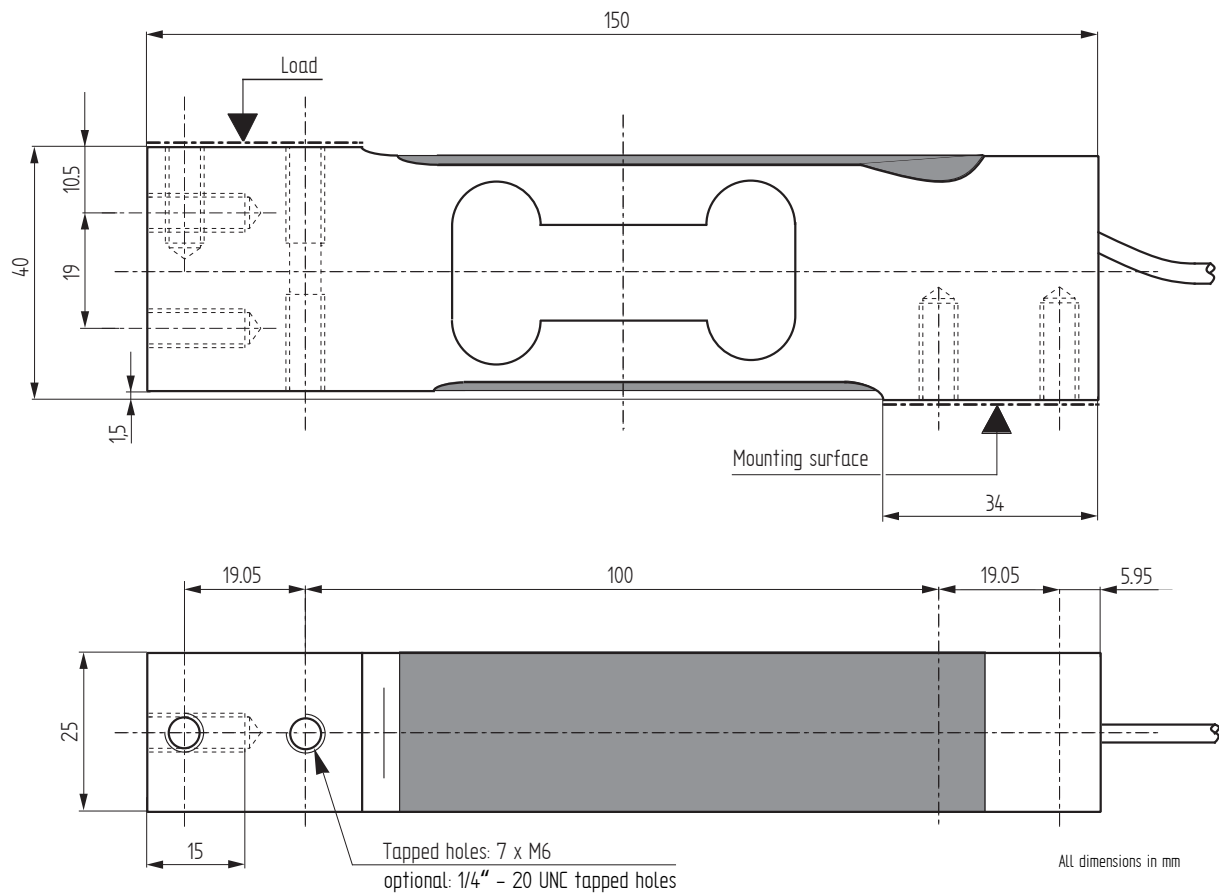
- Aluminum single point load cell
- Approved up to 2000d OIML R60
- Level of protection: IP65
- Designed for platforms of maximum dimensions
- 200 mm x 200 mm (off-center load compensated)
- Ideal for scales with low capacity and force measurement of small forces
- Available with 1/4" - 20 UNC tapped holes (option)
- 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]
101571	C2 3e	2,5

Connection Assignment

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

Technical Data

Type	AG	
Version		C2 3e
Rated load E	kg	2.5
Maximum load for approved weighing $E_{\max}$	kg	3.125
Accuracy class OIML R60		C2
Maximum numbers of load cell intervals $n_{\max}$	d OIML	2000
Minimum verification interval $v_{\min}$	g	1
Creep division factor $Z = E_{\max}/2 \times DR$		2000
Combined error	% E	± 0.025
Temperature coefficient of zero signal	% E/°C	± 0.007
Temperature coefficient of characteristic value	% E/°C	± 0.0014
Load creep $d_{cr, F}$ in 30 min.	% E	± 0.025
Zero balance	% E	± 10
Rated characteristic value C_{nom}	mV/V	$2 \pm 10 \%$
Rated range of excitation voltage $B_{U, \text{nom}}$	V	1 ... 15
Input resistance R_e	Ω	410 ± 15
Output resistance R_a	Ω	350 ± 5
Insulation resistance R_{is}	M Ω /50V	2000
Electrical connection		Cable, PVC, 3 m
Rated temperature range $B_{T, \text{nom}}$	°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	6
Maximum platform dimension	mm	200 x 200
Level of protection		IP65
Material		Aluminum
Weight	kg	0.2

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)
-	Marking FACTORY MUTUAL (FM): I.S., CL I, II, III / DIV 1 / GP ABCDEFG N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW

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
		

Further suitable accessories you can find on our homepage under:

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