Lorenz® messtechnik gmbh

Data sheet

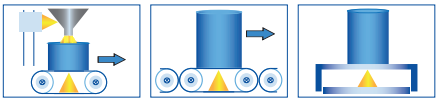
Single Point Load Cell AXL with a Rated Load of 10 ... 75 kg

Performance Features

- Stainless steel single point load cell
- 3000d OIML R60
- Level of protection: IP68
- Designed for platforms of maximum dimensions 400 mm x 400 mm (off-center load compensate
- Ideally suited for single point scales in humid and corrosive environments
- Patented design to combine high accuracy and high environmental protection level
- ATEX 2014/34/EU version for hazardous area (option)

Application

- Food industry
- Chemical / pharmaceutical industry
- Dosing equipment in humid and corrosive environments



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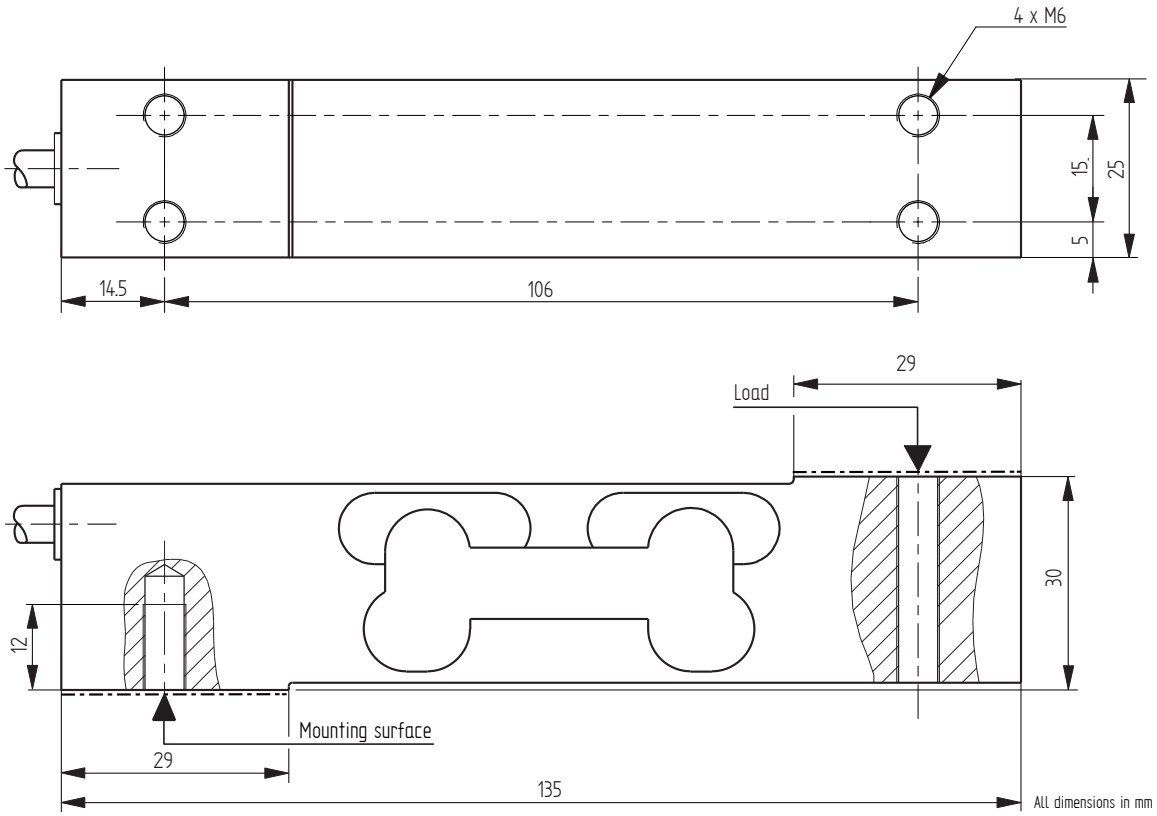
All data sheets can be found at www.lorenz-messtechnik.de
Technical modification to reserve.

Dimensions in mm



Article-No.	Version	Rated Load [kg]
112600	C3 5e	10
112601	C3 15e	15
112602	C3 10e	20
112603	C3 10e	50
112604	C3 15e	75

Connection Assignment

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

Technical Data

Type		AXL		
Version		C3 5e	C3 10e	C3 15e
Rated load **E**	kg	10	20: 50	15; 75
Maximum load for approved weighing $\mathbf{E_{max}}$	kg	10	20; 50	15; 75
Accuracy class OIML R60		C3	C3	C3
Maximum numbers of load cell intervals $\mathbf{n_{max}}$	d OIML	3000	3000	3000
Minimum verification interval $\mathbf{v_{min}}$	g	2	2; 5	1; 5
Creep division factor Z = E_{max} / 2 x DR		3000	3000	3000
Combined error	% E	±0.017	±0.017	±0.017
Temperature coefficient of zero signal	% E / °C	±0.0028	±0.0014	±0.0009
Temperature coefficient of characteristic value	% E / °C	±0.0014	±0.0014	±0.0014
Load creep $\mathbf{d_{cr, F}}$ in 30 min.	% E	±0.025	±0.025	±0.025
Zero balance	% E	±10		
Rated output at E $\mathbf{C_{nom}}$	mV/V	2 ±10 %		
Rated range of excitation voltage $\mathbf{B_{U, nom}}$	V	1 ... 15		
Input resistance $\mathbf{R_e}$	Ω	385 ±20		
Output resistance $\mathbf{R_a}$	Ω	350 ±5		
Insulation resistance $\mathbf{R_{is}}$	MΩ/50V	5000		
Electrical connection		Cable, PVC, 3 m		
Rated temperature range $\mathbf{B_{T, nom}}$	°C	-10 ... 40		
Operating temperature range $\mathbf{B_{T, G}}$	°C	-20 ... 60		
Limit load $\mathbf{E_{lim}}$	% E_{max}	150		
Breaking load $\mathbf{E_b}$	% E_{max}	200		
Tightening torque	Nm	15		
Maximum platform dimension	mm	400 x 400		
Level of protection		IP68		
Material		Stainless Steel		
Weight	kg	0.7		

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)

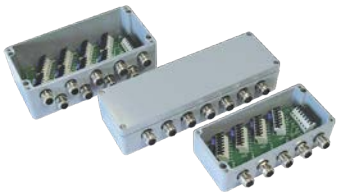
Accessories

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
		

Further suitable accessories you can find on our homepage under:
https://www.lorenz-messtechnik.de/english/products/lc_weighing-electronics.php