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Compressive force load cell *C30S*



Features





- Material: Alloy steel
- Nominal load: 30 - 50 klb
- Design: Self-centring single-column load cell, the measuring element is hermetically encapsulated - laser welded
- Temperature compensated
- Particularly robust for tough continuous use in industrial applications

Scope of application:

- Hopper scales,
- Silos
- Bunkers of harvesting machinery
- Seed drills
- Biomixers
- Weighbridges

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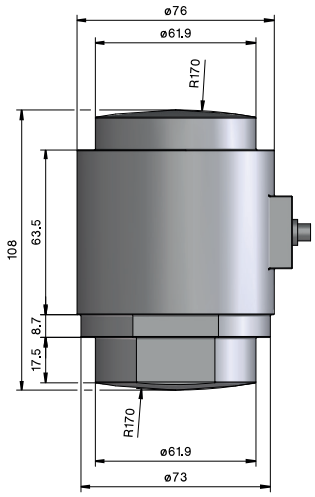
Self-centring single-column load cell

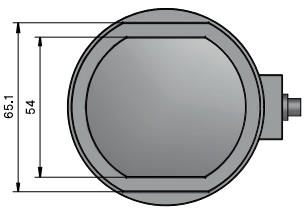
The C30S pendulum cell made of alloy steel belongs to the pressure load cells. Due to its coordinated radius geometries, the compression load cell has a precisely defined, self-righting function.

TECHNICAL DETAILS

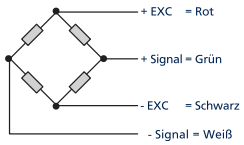
Accuracy class according to OIML R 60		0,03
Nominal load (E_{max})		30 klb, 40 klb, 50 klb
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	3,0 / ± 0,003 mV/V
Minimum preload (E_{min})		0
Limit load (E_L) **Breaking load (E_d)**	% from Emax	120 150
Recommended supply voltage (U_{ref}) **Maximum permissible supply voltage (B_U)**	V	10 - 12 15
Zero adjustment	% v. C_n	≤ ± 1
Input resistance (R_{LC}) at reference temperature **Output resistance (R_O) at reference temperature**	Ω	400 ± 20 352 ± 3
Insulation resistance	MΩ	> 5 000
Nominal temperature range (B_T)	°C	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 65
Cable length		6 m
Material		Alloy steel

TECHNICAL DRAWINGS





Elektrischer Anschluss
4 -Leiter - Kabel



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