

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



Compressive force load cell C30S

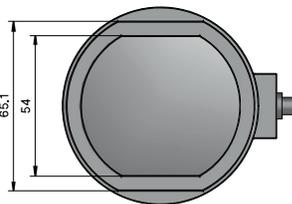
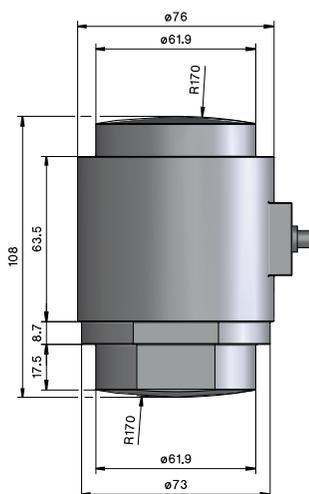
Self-centring single-column load cell

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 / $\pm 0,003$ mV/V
Minimum preload (E_{min})		0
Limit load (E_L)	% from E_{max}	120
Breaking load (E_B)		150
Recommended supply voltage (U_{ref})	V	10 - 12
Maximum permissible supply voltage (B_U)		15
Zero adjustment	% v. C_n	$\leq \pm 1$
Input resistance (R_{LC}) at reference temperature	Ω	400 \pm 20
Output resistance (R_O) at reference temperature		352 \pm 3
Insulation resistance	M Ω	> 5 000
Nominal temperature range (B_T)	$^{\circ}\text{C}$	- 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

