

Load cell V10S



Features

- ▶ Material: alloyed steel
- ▶ Capacity: 3.000 - 10.000 kg
- ▶ Protection class: IP 66
- ▶ Design: The sensing element is laser-welded
- ▶ Load introduction: Spherical load application knob / pad with threaded holes
- ▶ Simple installation
- ▶ Particularly robust for heavy duty industrial use
- ▶ Compatible with other sources

Scope of application:

- ▶ Maschinenwaagen
- ▶ Cargowaagen
- ▶ Silo- und Behälterwaagen
- ▶ Coilwaagen
- ▶ Schwerlastwaagen
- ▶ Messung der Druckkraft,
z.B. zur Kraftmessung beim Einpressen.



Load cell V10S

Compact compression load cell for use in harsh industrial environments

The V10S pressure load cells are used to measure static and dynamic pressure forces in a wide range of industrial applications. The load cells have a symmetrical design and are very compact, allowing precise measurements even under dynamic loads in harsh industrial environments.

The forces are always applied centrally to the load cells via a crowned load button. The load cell is made of high-quality alloyed tool steel, hermetically laser-welded and meets the requirements of protection class IP66.

TECHNICAL DETAILS

Accuracy class according to OIML R 60		G3
Nominal load (E_{max})	kg	3.000, 5.000, 7.500, 10.000
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	2,0 / ± 0,01
Minimum preload (E_{min})		0
Limit load (E_L)	% from E_{max}	150
Breaking load (E_B)		200
Recommended supply voltage (U_{ref})	V	5 - 12
Maximum permissible supply voltage (B_U)		15
Zero adjustment	% v. C_n	± 1
Input resistance (R_{LC}) at reference temperature	Ω	750 ± 10
Output resistance (R_O) at reference temperature		703 ± 2
Insulation resistance	M Ω	> 5 000
Nominal temperature range (B_T)	°C	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP66
Cable length		8 m
Material		Alloy steel

TECHNICAL DRAWINGS

