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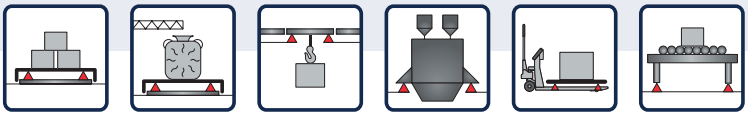
Shear beam load cell *K10S*



Features

- Material: alloy steel
- Capacity: 200 kg - 2.000 kg
- Protection class: IP 66
- Design: The measuring element is hermetically sealed
- Robust design for harsh industrial environment
- Low profile construction
- Threaded load hole
- Compatible with other sources

Scope of application:

- Flat platform scales,
- medical scales,
- low floor scales,
- Checkweighers with low height
- for force and torque measurements
- in the testing machine and process industry.

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Shear beam load cell *K10S*

Flat shear beam load cell for industrial scales

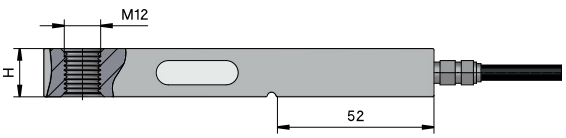
The K10S low profile shear beam load cells have been developed as a low profile alternative to the existing shear beam load cells. The load cells are made of high-alloy, nickel-plated tool steel and are characterised by high accuracy and linearity.

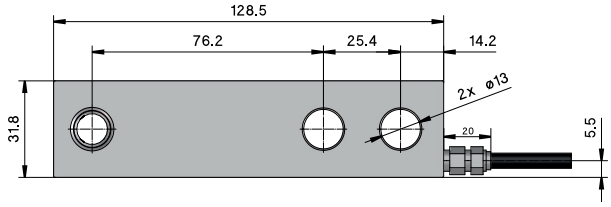
The K10S load cells deliver extremely precise and reproducible measurement results even in long-term use in harsh industrial environments and meet the requirements of protection class IP66.

TECHNICAL DETAILS

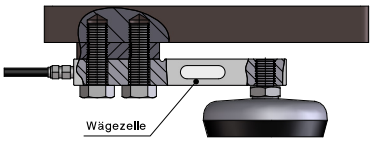
Accuracy class according to OIML R 60		G3
Nominal load (E_{max})	kg	200, 500, 1.000, 2.000
Number of division values (nLC)		3000
Nominal characteristic value (Cn) / characteristic value tolerance	mV/V	2,0 ± 0,003
Minimum preload (E_{min})		0
Limit load (EL)		120 % von Emax
Breaking load (Ed)		200 % von Emax
Recommended supply voltage (Uref)	V	5 - 12
Maximum permissible supply voltage (BU)	V	15
Zero adjustment		± 3 % v. Cn
Input resistance (RLC) at reference temperature	Ω	400 ± 20
Output resistance (RO) at reference temperature	Ω	352 ± 3
Insulation resistance	MΩ	>5.000
Cable length		3 m
Nominal temperature range (BT)	°C	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 66
Material		Alloy steel

TECHNICAL DRAWINGS



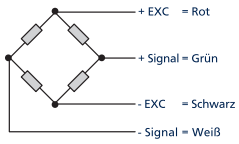


Load	H
200 kg	12,7
500 kg	15,9
1000 kg	19,1
2000 kg	25,4



Einbaubeispiel

Elektrischer Anschluss
4 -Leiter - Kabel



Alle Angaben in mm I Technische Änderungen vorbehalten

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