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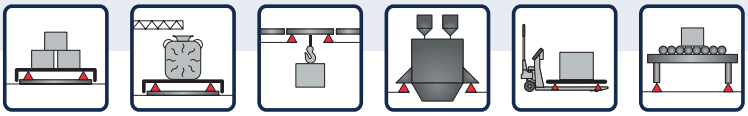
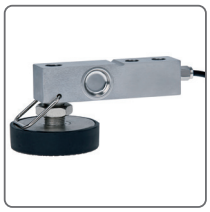
Shear beam load cell *K40N*



Features



- Stainless steel construction
- Capacity: 500-2500 kg
- Accuracy class C3, Y=10.000
- Approved to OIML R60 up to 3000 d
- Protection class: IP 65
- Design: The measuring element is hermetically sealed and has a calibrated output current
- Robust design for harsh industrial environment
- Low profile with unique load introduction by blind loading hole
- Compatible with other sources

Scope of application:

- Floor scales
- Hopper scales
- Silo scales
- Belt dosing scales
- Big bag scales
- CheckweighersForce and torque measurements
- in the testing machine and process industry

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Shear beam load cell *K40N*

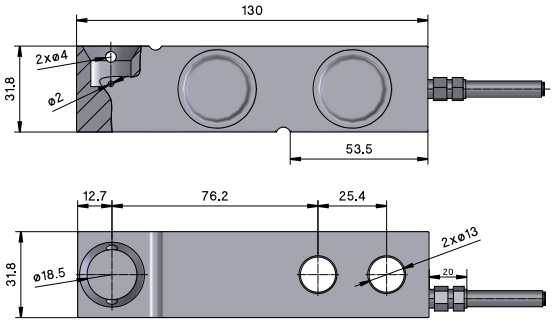
Calibratable shear beam load cell for industrial scales

The K40N shear beam load cells are among the most widely used sensors in weighing technology. The load cells are made of stainless steel and are characterised by high accuracy and linearity. The K40N load cells are legal for trade up to 3000D according to OIML, R60 and provide very precise and reproducible measurement results even in long-term use in harsh industrial environments. As standard, the load cells are output current calibrated, which enables easy and accurate parallel connection of several load cells. The load cell is laser-welded and meets the requirements of protection class IP65, allowing it to be used even under harsh operating conditions.

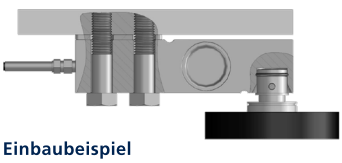
TECHNICAL DETAILS

Accuracy class		C3
Nominal load (E_{max})	kg	1.500, 500, 1.000, 2.500
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	2,0 ± 0,002
Minimum preload (E_{min})		0
Characteristic value of the relative minimum division value d. WZ (Y = Emax / vmin):		10.000 % von Emax
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		± 5 % v. Cn
Input resistance (RLC) at reference temperature	Ω	1106 ± 10
Output resistance (RO) at reference temperature	Ω	1000 ± 5
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 65
Material		Stainless steel

TECHNICAL DRAWINGS



All dimensions in mm | Subject to technical changes



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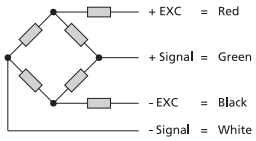
Electrical connection
4-wire cable



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