

Platform - Load Cell H61N



Features

- ▶ Material: stainless steel
- ▶ Rated capacity: 10 kg – 50 kg
- ▶ Accuracy class: C3 (C4 on request)
- ▶ Legal-for-trade according to OIML R60 up to 3000D or 4000D
- ▶ Design: laser welded, protection class: IP68
- ▶ Corner load errors compensated
- ▶ Extremely robust for continuous heavy-duty industrial use
- ▶ Recommended max. platform size: 400 x 400 mm



Applications

- ▶ Scales in the food industry
- ▶ Stainless-steel scales
- ▶ Checkweighers in the pharmaceutical industry, as well as belt and dosing scales
- ▶ Packaging machines, and force measurement applications in the process industry

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Single-Point Wägezelle aus Edelstahl

The H61N is a single point load cell with a parallel-guided, central bending eye made of stainless steel. Its fully welded, hermetically sealed stainless-steel design makes this load cell ideal for use in harsh and wet environments, e.g. in the chemical or food industry.

The load cell is easy to clean and extremely robust. As standard, H61N load cells are tested and optimized for corner load sensitivity. This prevents measuring errors even when the platform is loaded only at one corner.

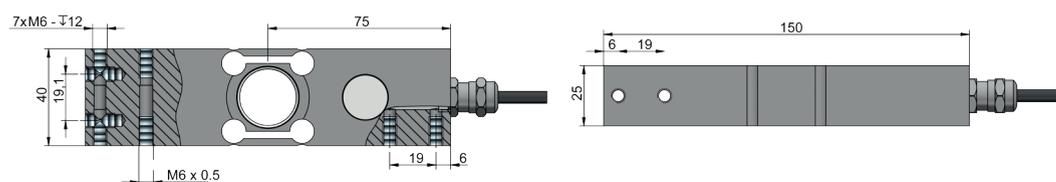
The H61N load cell is legal-for-trade (verifiable) according to accuracy class C3 up to 3000D. Optionally, this load cell is also available in accuracy class C4 with 4000D according to OIML R60. It is also available with increased accuracy (Y = 15,000). This higher Y value enables the design of dual-range scales.

The load cell is laser welded and meets the requirements of protection class IP68.

► TECHNISCHE DETAILS

Breaking load (Ed):	300 % of emax
Cable length:	3 m
Input resistance (RLC) at reference temperature:	380 ± 15 Ω
Insulation resistance:	>5.000 MΩ
Kennwert vom relativen Mindestteilungswert d. WZ (Y = Emax / vmin):	10.000 Teile von Emax, 15.000 Teile von Emax
Limit load (EL):	150 % of Emax
Maximum permitted supply voltage (BU):	18 V
Nominal load (Emax):	10 kg, 20 kg, 50 kg
Nominal temperature range (BT):	- 10 ... + 40 °C
Nominal value (Cn):	2,0 mV/V
Number of division values (nLC):	3000 (4000)
Output resistance (RO) at reference temperature:	350 ± 10 Ω
Protection class according to (DIN 40.050 / EN 60529):	IP 68
Recommended supply voltage (Uref):	5 - 12 V
Weight:	1.25 kg
Zero adjustment:	± 2 % v. Cn
Accuracy class:	C3 oder C4 (nach OIML R 60)
Material:	Stainless Steel

► TECHNICAL DRAWING



► Cable assignment

