

Hygienic compression force Load cell C23N



Features

- ▶ Compression load cell for containers and silos
- ▶ Material: Stainless steel 17-4 PH
- ▶ Nominal load: 1,000 - 20,000 kg
- ▶ Protection class: IP69K
- ▶ Sturdy and overload-proof for long service life
- ▶ Optional: Matching load feet

Application area

- ▶ food industry
- ▶ Pharmaceutical industry
- ▶ tank or silo installations
- ▶ Industrial high load scales



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Hygienic compression load cell

The C23N is a hygienic load cell (17-4 PH) with high mechanical strength and corrosion resistance. The high protection class (IP 69K) makes it suitable for demanding applications, e.g. in areas of the food and pharmaceutical industries.

Everything about the C23N has been optimised to meet hygiene standards: A smooth (roughness depth < 1.6 µm) and slightly

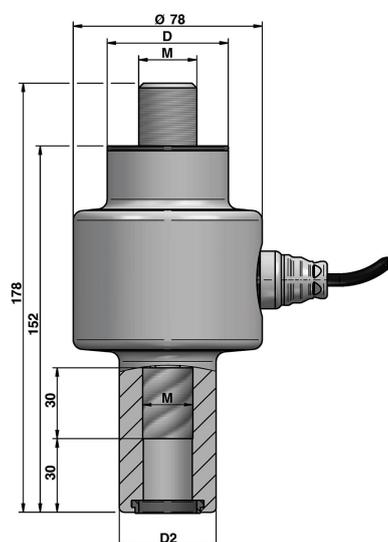
inclined surface, rounded corners, rounding radii of > 5 mm ensure easy cleaning. The load cell is fully disinfectable and complies with the 3-A Sanitary Standard.

The compression load cell is easy to mount. Together with an optional load foot, it can be used as a stand itself. An integrated internal thread makes it easy to adjust to the correct height.

▶ TECHNICAL DATA

Maximum capacity (E _{max})	kg	1.000, 2.000, 5.000, 10.000, 20.000
Limit load (E _L)	% von E _{max}	150
Breaking load (E _d)	% von E _{max}	300
Recommended supply voltage (U _{ref})	V	5-15
Excitation, maximum (BU)	VDC	5-15
Input resistance (RLC) at reference temperature	Ω	350 ± 20
Output resistance (RO) at reference temperature	Ω	350 ± 5
Insulation resistance	MΩ	>5.000
Cable length		5m (0.5-10t), 10m (20-30t)
Nominal temperature range (BT)	°C	- 10 ... + 50
Protection class (DIN 40.050 / EN 60529)	IP	IP 69K
Material		Stainless steel 17-4 PH

▶ Drawing



Elektrischer Anschluss

4 -Leiter - Kabel

