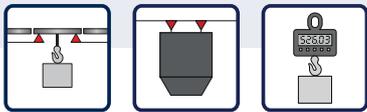


S-Type load cell S21N



Features

- ▶ Material: Stainless steel
- ▶ Capacity: 2.000 - 5.000 kg
- ▶ Protection class: IP 65
- ▶ Design: The measuring element is hermetically sealed - Laser-welded
- ▶ Particularly robust for heavy duty industrial use

Scope of application:

- ▶ Hybrid scales conversion
- ▶ Tank weighing
- ▶ Dosing
- ▶ Crane scales
- ▶ BIG-BAG scales
- ▶ Suspended hopper scales
- ▶ Filling and mixing systems
- ▶ Material fatigue testing.
- ▶ As force transducer (calibrated in Newton)



S-Type load cell S21N

Load cell for measuring tensile and compressive forces

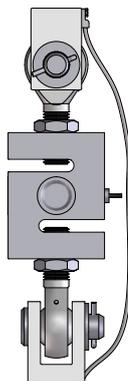
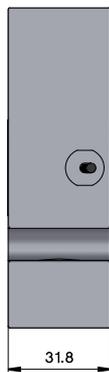
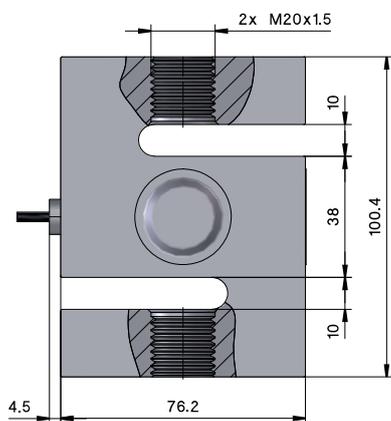
The S-shaped load cell S21N is designed for compression or tension measurement. A centric thread in the upper and lower part of the load cell ensures optimal force application in tension and compression direction. The load cells are made of high-alloy stainless steel and are characterised by high accuracy and linearity. The S21N load cells deliver extremely precise and reproducible measurement results

even in long-term use in harsh industrial environments. The load cell is laser-welded and meets the requirements of protection class IP65. Due to simple integration possibilities and good dynamic behaviour, these load cells are often offered as force transducers and calibrated in Newton.

► TECHNICAL DETAILS

Accuracy class according to OIML R 60:		0,03
Nominal load (E_{max})	kg	2.000, 5.000
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	$2,0 \pm 0,003$
Minimum preload (E_{min})		0
Limit load (EL)	% from E_{max}	120
Breaking load (Ed)		200
Recommended supply voltage (Uref)	V	5 - 12
Maximum permissible supply voltage (BU)		15
Zero adjustment	% v. Cn	$\leq \pm 1$
Input resistance (RLC) at reference temperature	Ω	400 ± 10
Output resistance (RO) at reference temperature	Ω	352 ± 2
Insulation resistance	M Ω	$> 5\ 000$
Nominal temperature range (BT)	$^{\circ}\text{C}$	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 65
Cable length		2,6 m
Material		Stainless steel

► TECHNICAL DRAWINGS



Electrical connection 4-wire cable

