PROFESSIONAL MEASURING
SINCE 1844

KERN

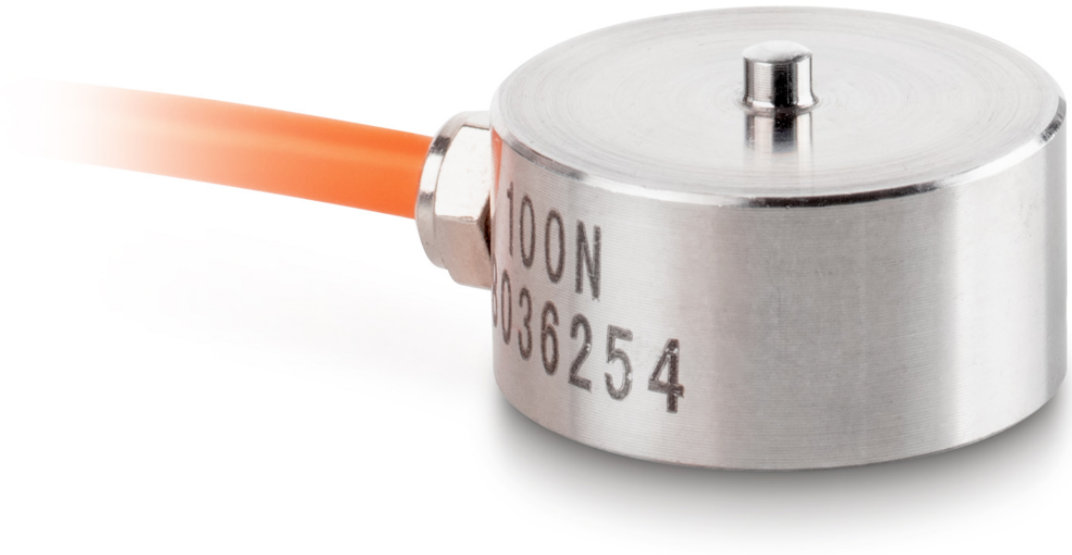
Product brochure

30.10.2026

SAUTER CO 50-Y1

Miniature cylindrical load cell made from stainless steel

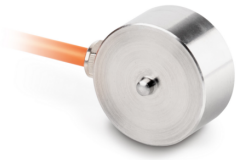
ENGLISH



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APPLICATION EXAMPLE







ENGLISH

FEATURES

- High precision (comprehensive error 0,5% F.S.)
- Area of application: Compressive force measurements
- Suitable for weight measurement as well as force and force test stands

MAIN SCOPE OF APPLICATIONS

- Research and development
- Mechanical engineering and testing technology
- Automotive and supplier industry
- Medical technology and biomechanics
- Calibration technology and test equipment manufacturing

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Measuring range [Max]
CO 10-Y1	10 kg	100 N

Model	Weighing capacity [Max]	Measuring range [Max]
CO 20-Y1	20 kg	200 N
CO 50-Y1	50 kg	500 N
CO 100-Y1	100 kg	1 kN
CO 200-Y1	200 kg	2 kN
CO 500-Y1	500 kg	5 kN
CO 1000-Y1	1000 kg	10 kN
CO 2000-Y1	2000 kg	20 kN

ACCESSORIES

Model	Description
FS 402	Connector for FS measuring cell mounted & adjusted to 500 N FS 402
FS TKZ	Transport case FS TKZ

SERVICES

Model	Description
961-261	Factory calibration certificate 961-261 (compression | N)
961-261V	Factory calibration certificate 961-261V (compression | mV/V)
963-261	DAkkS calibration certificate 963-261 (force direction compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-261IV	DAkkS calibration certificate 963-261IV (force direction compression | measurement result unit mV/V | calibration standard ISO 376)
963-261V	DAkkS calibration certificate 963-261V (force direction compression | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
965-411	Assembly of components 965-411 (< 50kg)
970-013	Warranty extension (+3 years) 970-013

KERN Pictogram Overview

IP 65	Protection against dust and water splashes IP65
1 DAY	Package shipment by courier service: The duration of internal product provision is one day
	Factory calibration (ISO): Factory calibration takes 4 working days
DAkkS	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days