PROFESSIONAL MEASURING
SINCE 1844

KERN

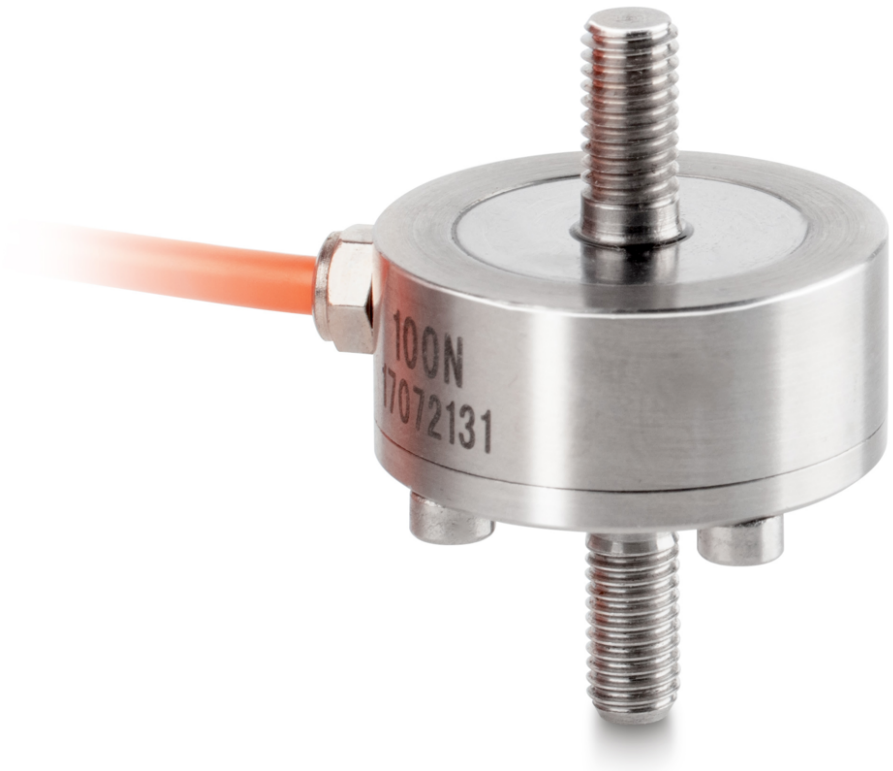
Product brochure

30.10.2026

SAUTER CO 50-Y2

Miniature cylindrical load cell made from stainless steel

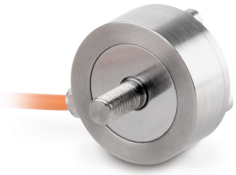
ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com



APPLICATION EXAMPLE





FEATURES

- High precision (comprehensive error 0,5% F.S.)
- Area of application: Tensile and compressive applications, mass and force measurement
- 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-Y2	10 kg	100 N

Model	Weighing capacity [Max]	Measuring range [Max]
CO 20-Y2	20 kg	200 N
CO 50-Y2	50 kg	500 N
CO 100-Y2	100 kg	1 kN
CO 200-Y2	200 kg	2 kN
CO 500-Y2	500 kg	5 kN
CO 1000-Y2	1000 kg	10 kN
CO 2000-Y2	2000 kg	20 kN

ACCESSORIES

Model	Description
AFM 01	Adapter AFM 01 (Threaded hole M5 | External thread M6)
AFM 04	Adapter AFM 04 (External thread M10 | Threaded hole M5)
FS 402	Connector for FS measuring cell mounted & adjusted to 500 N FS 402
FS TKZ	Transport case FS TKZ

SERVICES

Model	Description
961-161	Factory calibration certificate 961-161 (tension | N)
961-161V	Factory calibration certificate 961-161V (tension | mV/V)
961-261	Factory calibration certificate 961-261 (compression | N)
961-261V	Factory calibration certificate 961-261V (compression | mV/V)
961-361	Factory calibration certificate 961-361 (tension, compression | N)
961-361V	Factory calibration certificate 961-361V (tension, compression | mV/V)
963-161	DAkkS calibration certificate 963-161 (force direction tension | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-161IV	DAkkS calibration certificate 963-161IV (force direction tension | measurement result unit mV/V | calibration standard ISO 376)
963-161V	DAkkS calibration certificate 963-161V (force direction tension | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
963-261	DAkkS calibration certificate 963-261 (force direction compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)

Model	Description
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)
963-361	DAkkS calibration certificate 963-361 (force direction tension, compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-361IV	DAkkS calibration certificate 963-361IV (force direction tension, compression | measurement result unit mV/V | calibration standard ISO 376)
963-361V	DAkkS calibration certificate 963-361V (force direction tension, compression | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
965-411	Assembly of components 965-411 (< 50kg)
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview

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