PROFESSIONAL MEASURING
SINCE 1844

KERN

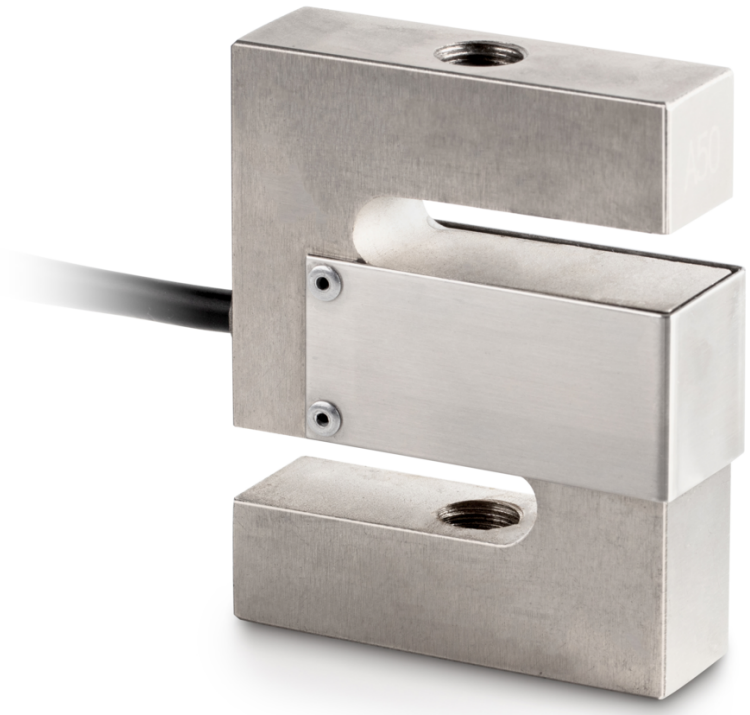
Product brochure

30.10.2026

SAUTER CS 5000-3Q1

6-wire "S" measuring cell made of nickel-plated steel for force and mass measurement

ENGLISH



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APPLICATION EXAMPLE



FEATURES

- Area of application: for tensile and compressive force measurement
- Suitable for handing scales, weigh hoppers and other weighing devices as well as force measurement devices and test stands

MAIN SCOPE OF APPLICATIONS

- Mechanical engineering and plant construction
- Testing technology and material testing
- Conveyor technology and logistics
- Container and silo weighing
- Medical technology and research

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Measuring range [Max]
CS 50-3Q1	50 kg	500 N
CS 100-3Q1	100 kg	1 kN
CS 150-3Q1	150 kg	1,5 kN
CS 200-3Q1	200 kg	2 kN
CS 300-3Q1	300 kg	3 kN
CS 500-3Q1	500 kg	5 kN

Model	Weighing capacity [Max]	Measuring range [Max]
CS 750-3Q1	750 kg	7,5 kN
CS 1000-3Q1	1000 kg	10 kN
CS 1500-3Q1	1500 kg	15 kN
CS 2000-3Q1	2000 kg	20 kN
CS 3000-3Q1	3000 kg	30 kN
CS 5000-3Q1	5000 kg	50 kN
CS 6000-3Q1	6000 kg	60 kN

ACCESSORIES

Model	Description
CE Q24	Traction device CE Q24
CE R24	Rod end CE R24
CE RR24	Rod end CE RR24
FS 406	Connector for FS measuring cell mounted & adjusted to 50 kN FS 406
YKV-01	Digital weighing transmitter YKV-01

SERVICES

Model	Description
961-165	Factory calibration certificate 961-165 (force direction tension | 21 kN – 50 kN | measurement result unit N | calibration standard KERN)
961-165V	Factory calibration certificate 961-165V (tension | mV/V)
961-265	Factory calibration certificate 961-265 (force direction compression | 21 kN – 50 kN | measurement result unit N | calibration standard KERN)
961-265V	Factory calibration certificate 961-265V (compression | mV/V)
961-365	Factory calibration certificate 961-365 (force direction tension, compression | 21 kN – 50 kN | measurement result unit N | calibration standard KERN)
961-365V	Factory calibration certificate 961-365V (tension, compression | mV/V)
963-165	DAkkS calibration certificate 963-165 (force direction tension | 21 kN – 50 kN | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-265	DAkkS calibration certificate 963-265 (force direction compression | 21 kN – 50 kN | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-365	DAkkS calibration certificate 963-365 (force direction tension, compression | 21 kN – 50 kN | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)

Model	Description
970-016	Warranty extension (+3 years) 970-016

KERN Pictogram Overview

	Protection against dust and water splashes IP67
	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

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