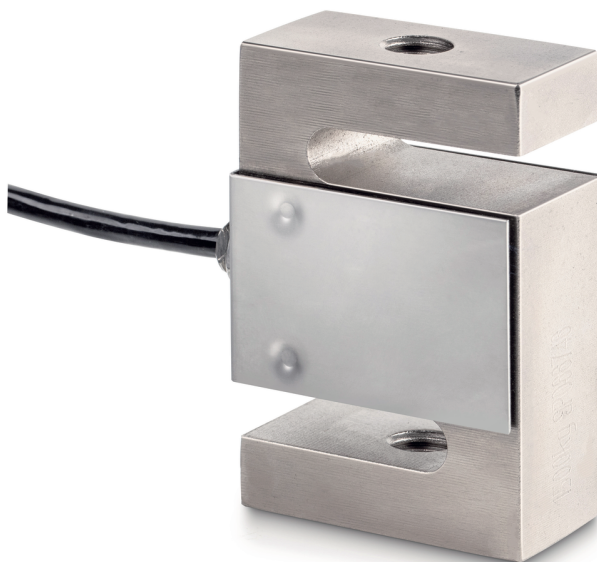


PRODUCT BROCHURE

SAUTER CS 1000-3P1

Date: 29.04.2025

ENGLISH



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

CONTACT

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information

DESCRIPTION

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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CS 1000-3P1
Model-Serie	CS P1
Assortment	Sauter
Product Type	Measuring cells
Product group	S-shape load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761221420
Customs tariff number	90249000
CE Label	yes

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	1000 kg
Max (N)	10 kN

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated

Dimensions (W×D×H)	50,8×76,2×27,2 mm
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cable length	3 m
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Mounting force in	threaded hole M12
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Mounting force out	Threaded hole M12
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Technical data - Power supply

Excitation Voltage min.	5 V
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Excitation Voltage max.	12 V
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Technical data - Measuring system

Full scale output	2 mV/V
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combined error	0,02%
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load cell connection	4-guide
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measuring applications	force;mass
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Technical data - Environmental conditions

Usage Temperature (min)	-10 °C
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Usage temperature (max)	40 °C
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Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	185×155×60 mm
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Gross weight	0.80 kg
Net weight	0.70 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	102 g
Delivery time	1 d

Technical data - Verification

Resolution loadcell (e)	3000 e
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FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
YKV-01	IoT-Line Digital Weighing Transmitter KERN YKV-01
CJ P2	Junction Box SAUTER CJ P2
YKV-02	IoT-Line Digital Weighing Transmitter KERN YKV-02
CJ P4PG	Junction Box SAUTER CJ P4PG
AFM 16	Adapter KERN AFM 16
AFM 17	Thread SAUTER AFM 17
AFM 18	Thread SAUTER AFM 18
AFM 19	Sleeve SAUTER AFM 19
AFM 21	Thread SAUTER AFM 21
CJ P4	Junction Box SAUTER CJ P4
FS TKZ	Transport case SAUTER FS TKZ

Model	Description
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1

SERVICES

Model	Description
961-163	Factory calibration KERN 961-163
961-164	Factory calibration KERN 961-164
961-264	Factory calibration KERN 961-264
961-364	Factory calibration KERN 961-364
FS 405	Plug SAUTER FS 405
961-164V	Factory calibration KERN 961-164V
961-364V	Factory calibration KERN 961-364V
970-014	Warranty extension KERN (+3 years) 970-014

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 25-3P1	compression;tension	C3	25 kg	250 N
CS 50-3P1	compression;tension	C3	50 kg	500 N
CS 100-3P1	compression;tension	C3	100 kg	1 kN
CS 150-3P1	compression;tension	C3	150 kg	1,5 kN
CS 250-3P1	compression;tension	C3	250 kg	2,5 kN
CS 500-3P1	compression;tension	C3	500 kg	5 kN
CS 600-3P1	compression;tension	C3	600 kg	6 kN
CS 750-3P1	compression;tension	C3	750 kg	7,5 kN
CS 1000-3P1	compression;tension	C3	1000 kg	10 kN
CS 1500-3P1	compression;tension	C3	1500 kg	15 kN
CS 2000-3P1	compression;tension	C3	2000 kg	20 kN
CS 2500-3P1	compression;tension	C3	2500 kg	25 kN
CS 5000-3P1	compression;tension	C3	5000 kg	50 kN
CS 7500-3P1	compression;tension	C3	7500 kg	75 kN
CS 10000-3P1	compression;tension	C3	10000 kg	100 kN
CS 15000-3P1	compression;tension	C3	15000 kg	150 kN
CS 20000-3P1	compression;tension	C3	20000 kg	200 kN

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 30000-3P1	compression;tension	C3	30000 kg	300 kN