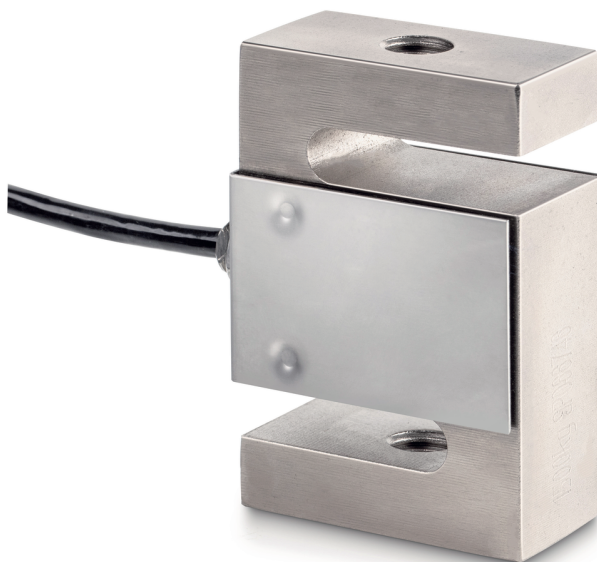


PRODUCT BROCHURE

SAUTER CS 500-3P1

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 500-3P1
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)	4045761221550
Customs tariff number	90249000
CE Label	yes

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	500 kg
Max (N)	5 kN

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated

Dimensions (W×D×H)	50,8×76,2×20,8 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	0.65 kg
Net weight	0.55 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	97 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
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
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1

SERVICES

Model	Description
965-413	Assembly of components (> 350 kg - 1500 kg) 965-413
961-163	Factory calibration KERN 961-163
961-261	Factory calibration KERN 961-261
961-263	Factory calibration KERN 961-263
961-363	Factory calibration KERN 961-363
963-163	DAkkS Calibration KERN 963-163
963-262	DAkkS Calibration KERN 963-262
963-362	DAkkS Calibration KERN 963-362
963-363	DAkkS Calibration KERN 963-363
FS 404	Plug SAUTER FS 404
963-163IV	DAkkS Calibration KERN 963-163IV
963-163V	DAkkS Calibration KERN 963-163V
963-263IV	DAkkS Calibration KERN 963-263IV
963-263V	DAkkS Calibration KERN 963-263V
963-363IV	DAkkS Calibration KERN 963-363IV
963-363V	DAkkS Calibration KERN 963-363V
970-013	Warranty extension KERN (+3 years) 970-013

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

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