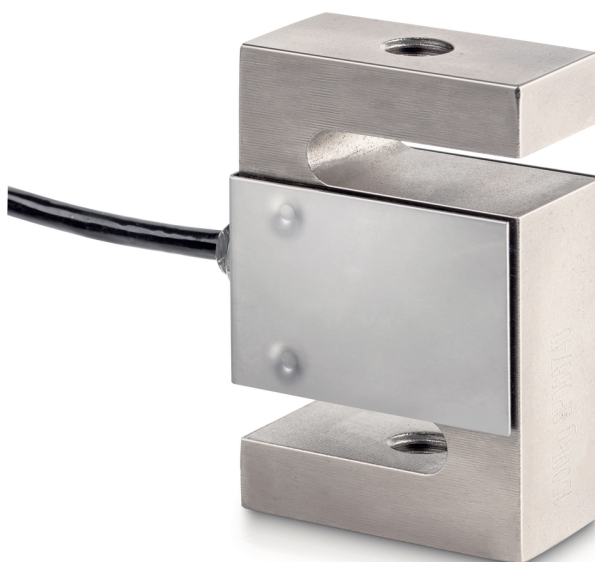


PRODUCT BROCHURE

SAUTER CS 50-3P1

Date: 08.05.2025

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 50-3P1
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)	404576 122 1567
Customs tariff number	90249000
CE Label	yes

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	50 kg
Max (N)	500 N

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated

Dimensions (W×D×H)	50,8×76,2×14,5 mm
cable length	3 m
Mounting force in	Threaded hole M8
Mounting force out	Threaded hole M8

Technical data - Power supply

Excitation Voltage min.	5 V
Excitation Voltage max.	12 V

Technical data - Measuring system

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

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	185×155×60 mm
Gross weight	0.70 kg
Net weight	0.60 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	105 g
Delivery time	1 d

Technical data - Verification

Resolution loadcell (e) 3000 e

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
CJ P4	Junction Box SAUTER CJ P4
FS TKZ	Transport case SAUTER FS TKZ
CE WT1-Y1	Analogue Weighing Transmitter SAUTER CE WT1-Y1
CE WT3-Y1	Analogue Weighing Transmitter SAUTER CE WT3-Y1
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
CE WT1-Y2	Analogue Weighing Transmitter SAUTER CE WT1-Y2
CE WT2-Y4	Analogue Weighing Transmitter SAUTER CE WT2-Y4
CE WT1-Y4	Analogue Weighing Transmitter SAUTER CE WT1-Y4

SERVICES

Model	Description
965-411	Assembly of components (< 50kg) 965-411
963-161	DAkkS Calibration KERN 963-161
963-128	DAkkS Calibration KERN 963-128
961-161	Factory calibration KERN 961-161

Model	Description
961-261	Factory calibration KERN 961-261
961-361	Factory calibration KERN 961-361
963-261	DAkkS Calibration KERN 963-261
963-361	DAkkS Calibration KERN 963-361
FS 402	Plug SAUTER FS 402
963-161V	DAkkS Calibration KERN 963-161V
963-2611V	DAkkS Calibration KERN 963-2611V
963-261V	DAkkS Calibration KERN 963-261V
963-3611V	DAkkS Calibration KERN 963-3611V
963-361V	DAkkS Calibration KERN 963-361V
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
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