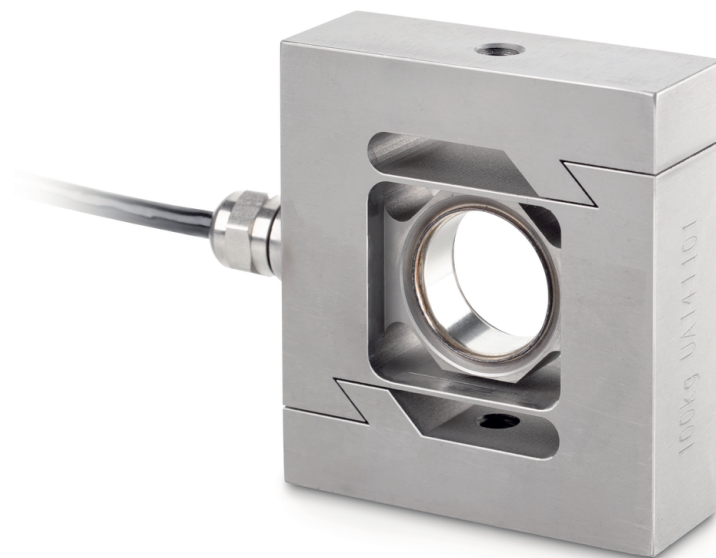


PRODUCT BROCHURE

SAUTER CS 50-3P2

Date: 29.04.2025

ENGLISH



"S"-Load/force measuring cell made from stainless steel

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- RoHS compliant
- Area of application: Measuring mass as well as compressive force
- Suitable for hanging scales, silo scales, force test stands and various other balances

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CS 50-3P2
Model-Serie	CS P2
Assortment	Sauter
Product Type	Measuring cells
Product group	S-shape load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761232556
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	IP68
Material	stainless steel
Dimensions (W×D×H)	92×86×50 mm
cable length	6 m
Mounting force in	Threaded hole M8
Mounting force out	Threaded hole M8

Technical data - Measuring system

Full scale output	2 mV/V
combined error	0,023%
load cell connection	4-guide
measuring applications	force;mass

Technical data - Environmental conditions

Usage Temperature (min)	-10 °C
Usage temperature (max)	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	205×170×60 mm
Gross weight	1.6 kg
Net weight	1.4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	109 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
CJ P4	Junction Box SAUTER CJ P4
FS TKZ	Transport case SAUTER FS TKZ
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
CE WT2-Y4	Analogue Weighing Transmitter SAUTER CE WT2-Y4

SERVICES

Model	Description
963-161	DAkkS Calibration KERN 963-161
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
963-261IV	DAkkS Calibration KERN 963-261IV
963-261V	DAkkS Calibration KERN 963-261V
963-361IV	DAkkS Calibration KERN 963-361IV
963-361V	DAkkS Calibration KERN 963-361V
970-017	Warranty extension KERN (+3 years) 970-017

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 5000-3P2	compression;tension	C3	5000 kg	50 kN
CS 7500-3P2	compression;tension	C3	7500 kg	75 kN
CS 2000-3P2	compression;tension	C3	2000 kg	20 kN
CS 50-3P2	compression;tension	C3	50 kg	500 N
CS 100-3P2	compression;tension	C3	100 kg	1 kN
CS 250-3P2	compression;tension	C3	250 kg	2,5 kN
CS 500-3P2	compression;tension	C3	500 kg	5 kN