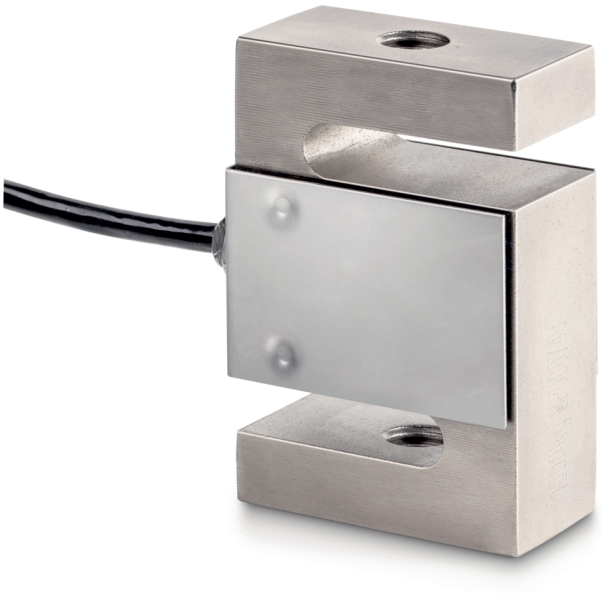
SAUTER

PRODUCT BROCHURE

SAUTER
CS 2500-3P1

Date: 10.03.2026

ENGLISH



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

CONTACT

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Scan here for more information

DESCRIPTION

- RoHS compliant
- 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

ENGLISH

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CS 2500-3P1
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)	4045761221512
Customs tariff number	90249000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	2500 kg
Max (N)	25 kN

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated
Dimensions (W×D×H)	76,2×101,6×27,2 mm
cable length	6 m
Mounting force in	Threaded hole M20 × 1,5
Mounting force out	Threaded hole M20 × 1,5

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 - 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	1.4 kg
Net weight	1.4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	107 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
CE R20	Rod end SAUTER CE R20
CE RR20	Rod end SAUTER CE RR20
CJ P4PG	Junction Box SAUTER CJ P4PG

Model	Description
FS 406	Plug SAUTER FS 406
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 WT1-Y2	Analogue Weighing Transmitter SAUTER CE WT1-Y2
CJ X468	Junction Box SAUTER CJ X468
CJ X467	Junction Box SAUTER CJ X467

SERVICES

Model	Description
961-165	Factory calibration KERN 961-165
961-265	Factory calibration KERN 961-265
961-365	Factory calibration KERN 961-365
961-165V	Factory calibration KERN 961-165V
961-265V	Factory calibration KERN 961-265V
961-365V	Factory calibration KERN 961-365V