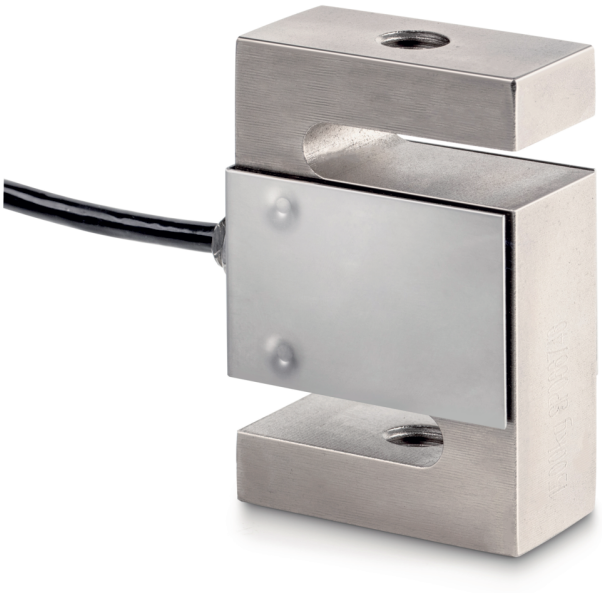
SAUTER

PRODUCT BROCHURE

SAUTER
CS 20000-3P1

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 20000-3P1
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)	4045761221499
Customs tariff number	90249000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	20000 kg
Max (N)	200 kN

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated
Dimensions (W×D×H)	160×200×60 mm
cable length	6 m
Mounting force in	Threaded hole M42 × 3
Mounting force out	Threaded hole M42 × 3

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)	320×320×160 mm
Gross weight	14 kg
Net weight	12 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	1550 g
Delivery time	113 d

Technical data - Verification

Resolution loadcell (e)	3000 e

FUNCTIONS

Standard



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
FS 401	Numerical adjustment FS 401
FS 408	Plug SAUTER FS 408
CJ P4	Junction Box SAUTER CJ P4
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

Model	Description
CJ X468	Junction Box SAUTER CJ X468
CJ X467	Junction Box SAUTER CJ X467

SERVICES

Model	Description
961-167	Factory calibration KERN 961-167
970-103	Warranty extension KERN (+2 years) 970-103
961-367V	Factory calibration KERN 961-367V
961-367	Factory calibration KERN 961-367
961-267V	Factory calibration KERN 961-267V
961-267	Factory calibration KERN 961-267
961-167V	Factory calibration KERN 961-167V