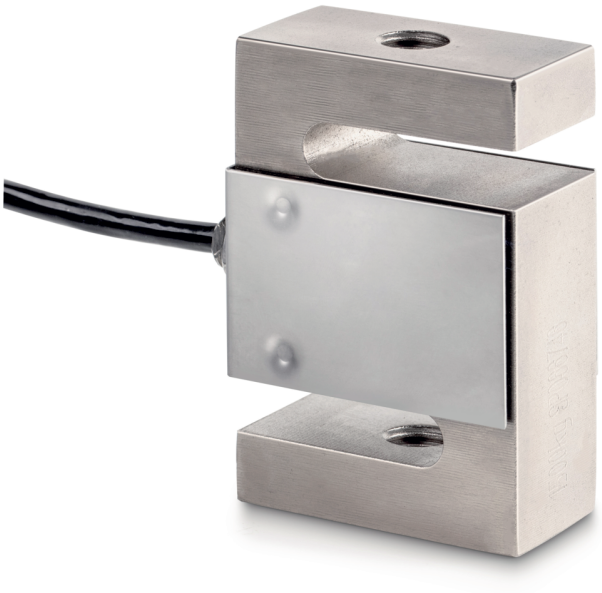
SAUTER

PRODUCT BROCHURE

SAUTER CS 100-3P1

Date: 10.03.2026

ENGLISH



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

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com

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 100-3P1
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)	4045761221444
Customs tariff number	90249000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	100 kg
Max (N)	1 kN

Technical data - Construction

IP Protection	IP67
Material	steel, nickel-plated
Dimensions (W×D×H)	50,8×76,2×20,8 mm
cable length	3 m
Mounting force in	Threaded hole M10
Mounting force out	Threaded hole M10

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)	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

IP 67 1 DAY

Option

ISO DAkkS

ACCESSORIES

Model	Description
YKV-01	IoT-Line Digital Weighing Transmitter KERN YKV-01
CJ P2	Junction Box SAUTER CJ P2
CE R10	Rod end SAUTER CE R10
YKV-02	IoT-Line Digital Weighing Transmitter KERN YKV-02
CJ P4PG	Junction Box SAUTER CJ P4PG
AFM 23	Sleeve SAUTER AFM 23

Model	Description
FS 403	Plug SAUTER FS 403
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
961-162	Factory calibration KERN 961-162
961-262	Factory calibration KERN 961-262
961-362	Factory calibration KERN 961-362
963-162	DAkkS Calibration KERN 963-162
963-262	DAkkS Calibration KERN 963-262
963-362	DAkkS Calibration KERN 963-362
963-162IV	DAkkS Calibration KERN 963-162IV
963-162V	DAkkS Calibration KERN 963-162V
963-262IV	DAkkS Calibration KERN 963-262IV
963-262V	DAkkS Calibration KERN 963-262V
963-362IV	DAkkS Calibration KERN 963-362IV
963-362V	DAkkS Calibration KERN 963-362V