

PRODUCT BROCHURE

SAUTER CS 100-3Q1

Date: 29.04.2025

ENGLISH



6-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 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 100-3Q1
Model-Serie	CS Q1
Assortment	Sauter
Product Type	Measuring cells
Product group	S-shape load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761222007
Customs tariff number	90249000
CE Label	yes

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)	80×62,1×19 mm
cable length	5 m
Mounting force in	threaded hole M12
Mounting force out	Threaded hole M12

Technical data - Power supply

Excitation Voltage min.	10 V
Excitation Voltage max.	15 V

Technical data - Measuring system

Full scale output	2 mV/V
combined error	0,017%
load cell connection	6-Leiter
measuring applications	force;mass

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	250×155×60 mm
Gross weight	0.90 kg
Net weight	0.80 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	242 g

Packaging component - 5 g
by weight - plastics

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
YKV-02	IoT-Line Digital Weighing Transmitter KERN YKV-02
AFM 16	Adapter KERN AFM 16
AFM 17	Thread SAUTER AFM 17
AFM 18	Thread SAUTER AFM 18
AFM 19	Sleeve SAUTER AFM 19
AFM 21	Thread SAUTER AFM 21
FS TKZ	Transport case SAUTER FS TKZ
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1

SERVICES

Model	Description
961-162	Factory calibration KERN 961-162
961-262	Factory calibration KERN 961-262
961-362	Factory calibration KERN 961-362

Model	Description
963-162	DAkkS Calibration KERN 963-162
963-262	DAkkS Calibration KERN 963-262
963-362	DAkkS Calibration KERN 963-362
FS 403	Plug SAUTER FS 403
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
970-014	Warranty extension KERN (+3 years) 970-014

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 100-3Q1	compression;tension	C3	100 kg	1 kN
CS 150-3Q1	compression;tension	C3	150 kg	1,5 kN
CS 200-3Q1	compression;tension	C3	200 kg	2 kN
CS 300-3Q1	compression;tension	C3	300 kg	3 kN
CS 500-3Q1	compression;tension	C3	500 kg	5 kN
CS 750-3Q1	compression;tension	C3	750 kg	7,5 kN
CS 1000-3Q1	compression;tension	C3	1000 kg	10 kN
CS 1500-3Q1	compression;tension	C3	1500 kg	15 kN
CS 2000-3Q1	compression;tension	C3	2000 kg	20 kN
CS 3000-3Q1	compression;tension	C3	3000 kg	30 kN
CS 5000-3Q1	compression;tension	C3	5000 kg	50 kN
CS 6000-3Q1	compression;tension	C3	6000 kg	60 kN
CS 50-3Q1	compression;tension	C3	50 kg	500 N