

PRODUCT BROCHURE

SAUTER CS 100-3Q1

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ENGLISH



6-wire "S" measuring cell made of nickel-plated steel for force and mass measurement

CONTACT

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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

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 - by weight - plastics	5 g

Delivery time 1 d

Technical data - Verification

Verification approval
conforming to
2014/31/EU yes

Resolution loadcell (e) 3000 e

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
YKV-02	IoT-Line Digital Weighing Transmitter KERN YKV-02
AFM 16	Adapter KERN AFM 16
AFM 18	Thread SAUTER AFM 18
AFM 21	Thread SAUTER AFM 21
YKV-01	IoT-Line Digital Weighing Transmitter KERN YKV-01
AFM 17	Thread SAUTER AFM 17
AFM 19	Sleeve SAUTER AFM 19
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
FS TKZ	Transport case SAUTER FS TKZ

SERVICES

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

Model	Description
FS 403	Plug SAUTER FS 403
963-262IV	DAkkS Calibration KERN 963-262IV
963-362IV	DAkkS Calibration KERN 963-362IV
970-014	Warranty extension KERN (+3 years) 970-014
963-162	DAkkS Calibration KERN 963-162
961-362	Factory calibration KERN 961-362
963-362	DAkkS Calibration KERN 963-362
963-162V	DAkkS Calibration KERN 963-162V
963-262V	DAkkS Calibration KERN 963-262V
963-362V	DAkkS Calibration KERN 963-362V
963-262	DAkkS Calibration KERN 963-262
963-162IV	DAkkS Calibration KERN 963-162IV

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