

PRODUCT BROCHURE

SAUTER CS 250-3P1

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ENGLISH



4-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 250-3P1
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)	4045761221529
Customs tariff number	90249000

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	250 kg
Max (N)	2,5 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 M12
Mounting force out	Threaded hole M12

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	0.65 kg
Net weight	0.55 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	98 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
CJ P2	Junction Box SAUTER CJ P2
AFM 19	Sleeve SAUTER AFM 19
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
YKV-01	IoT-Line Digital Weighing Transmitter KERN YKV-01
CJ P4PG	Junction Box SAUTER CJ P4PG
AFM 17	Thread SAUTER AFM 17
AFM 18	Thread SAUTER AFM 18
AFM 21	Thread SAUTER AFM 21
CJ P4	Junction Box SAUTER CJ P4
AFM 16	Adapter KERN AFM 16
FS TKZ	Transport case SAUTER FS TKZ

SERVICES

Model	Description
963-363	DAkkS Calibration KERN 963-363
963-263V	DAkkS Calibration KERN 963-263V
FS 404	Plug SAUTER FS 404
963-163IV	DAkkS Calibration KERN 963-163IV
963-363V	DAkkS Calibration KERN 963-363V
970-013	Warranty extension KERN (+3 years) 970-013
961-163	Factory calibration KERN 961-163
963-163	DAkkS Calibration KERN 963-163
963-263	DAkkS Calibration KERN 963-263
963-363IV	DAkkS Calibration KERN 963-363IV
961-263	Factory calibration KERN 961-263
961-363	Factory calibration KERN 961-363
963-163V	DAkkS Calibration KERN 963-163V
963-263IV	DAkkS Calibration KERN 963-263IV

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 25-3P1	compression;tension	C3	25 kg	250 N
CS 50-3P1	compression;tension	C3	50 kg	500 N
CS 100-3P1	compression;tension	C3	100 kg	1 kN
CS 150-3P1	compression;tension	C3	150 kg	1,5 kN
CS 250-3P1	compression;tension	C3	250 kg	2,5 kN
CS 500-3P1	compression;tension	C3	500 kg	5 kN
CS 600-3P1	compression;tension	C3	600 kg	6 kN
CS 750-3P1	compression;tension	C3	750 kg	7,5 kN
CS 1000-3P1	compression;tension	C3	1000 kg	10 kN
CS 1500-3P1	compression;tension	C3	1500 kg	15 kN
CS 2000-3P1	compression;tension	C3	2000 kg	20 kN
CS 2500-3P1	compression;tension	C3	2500 kg	25 kN
CS 5000-3P1	compression;tension	C3	5000 kg	50 kN
CS 7500-3P1	compression;tension	C3	7500 kg	75 kN
CS 10000-3P1	compression;tension	C3	10000 kg	100 kN

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 15000-3P1	compression;tension	C3	15000 kg	150 kN
CS 20000-3P1	compression;tension	C3	20000 kg	200 kN
CS 30000-3P1	compression;tension	C3	30000 kg	300 kN