

PRODUCT BROCHURE

SAUTER CS 500-3P2

Date: 29.04.2025

ENGLISH



"S"-Load/force measuring cell made from stainless steel

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

PRODUCT SHOWCASE



DESCRIPTION

- RoHS compliant
- Area of application: Measuring mass as well as compressive force
- Suitable for hanging scales, silo scales, force test stands and various other balances

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CS 500-3P2
Model-Serie	CS P2
Assortment	Sauter
Product Type	Measuring cells
Product group	S-shape load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761232525
Customs tariff number	90249000
CE Label	yes

Technical data - Primary

Force directions	compression;tension
OIML class	C3
Weighing capacity	500 kg
Max (N)	5 kN

Technical data - Construction

IP Protection	IP68
Material	stainless steel
Dimensions (W×D×H)	92×86×50 mm
cable length	6 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	0,023%
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)	205×170×60 mm
Gross weight	1.6 kg
Net weight	1.4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	109 g
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
CJ P2	Junction Box SAUTER CJ P2
CE RR12	Rod end SAUTER CE RR12
CJ P4PG	Junction Box SAUTER CJ P4PG
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
CJ P4	Junction Box SAUTER CJ P4
FS TKZ	Transport case SAUTER FS TKZ
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
CE WT2-Y4	Analogue Weighing Transmitter SAUTER CE WT2-Y4

SERVICES

Model	Description
963-163	DAkkS Calibration KERN 963-163
963-262	DAkkS Calibration KERN 963-262
963-362	DAkkS Calibration KERN 963-362
FS 404	Plug SAUTER FS 404
963-163IV	DAkkS Calibration KERN 963-163IV
963-163V	DAkkS Calibration KERN 963-163V
963-263IV	DAkkS Calibration KERN 963-263IV
963-263V	DAkkS Calibration KERN 963-263V
963-363IV	DAkkS Calibration KERN 963-363IV
963-363V	DAkkS Calibration KERN 963-363V
970-015	Warranty extension KERN (+3 years) 970-015

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CS 5000-3P2	compression;tension	C3	5000 kg	50 kN
CS 7500-3P2	compression;tension	C3	7500 kg	75 kN
CS 2000-3P2	compression;tension	C3	2000 kg	20 kN
CS 50-3P2	compression;tension	C3	50 kg	500 N
CS 100-3P2	compression;tension	C3	100 kg	1 kN
CS 250-3P2	compression;tension	C3	250 kg	2,5 kN
CS 500-3P2	compression;tension	C3	500 kg	5 kN