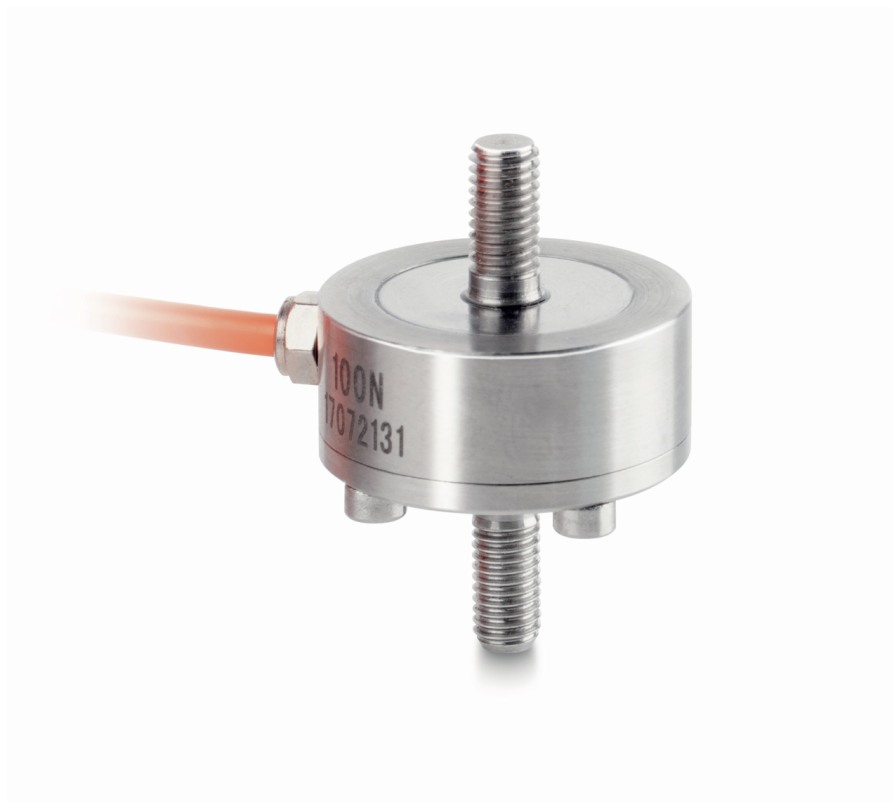


PRODUCT BROCHURE

SAUTER CO 500-Y2

Date: 23.04.2025

ENGLISH



Miniature cylindrical load 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



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PRODUCT SHOWCASE



DESCRIPTION

- High precision (comprehensive Error 0,5% F.S.)
- RoHS compliant
- Area of application: Tensile and compressive applications, mass and force measurement
- Suitable for weight measurement as well as force and force test stands

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CO 500-Y2
Model-Serie	CO Y2
Assortment	Sauter
Product Type	Measuring cells
Product group	Knob shaped load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	404576 1233058
Customs tariff number	90249000

Technical data - Primary

Force directions	compression;tension
OIML class	G5
Weighing capacity	500 kg
Max (N)	5 kN

Technical data - Construction

IP Protection	IP65
Material	stainless steel
cable length	2 m
Mounting force in	External thread M12
Mounting force out	External thread M12

Technical data - Power supply

Excitation Voltage min.	9 V
Excitation Voltage max.	12 V

Technical data - Measuring system

Full scale output	1,5 mV/V
combined error	0,5%
load cell connection	4-guide
Measuring applications	force;mass

Technical data - Environmental conditions

Usage Temperature (min)	0 °C
Usage temperature (max)	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	120×90×85 mm
Gross weight	0.55 kg
Net weight	0.50 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	33 g
Packaging component - by weight - plastics	5 g
Packaging component - by weight - foam	7 g
Delivery time	1 d

Technical data - Verification

Verification approval conforming to 2014/31/EU	yes
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FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
AFM 13	Sleeve SAUTER AFM 13
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1
FS TKZ	Transport case SAUTER FS TKZ
CE WT2-Y4	Analogue Weighing Transmitter SAUTER CE WT2-Y4
AFH 06	Pressure disc SAUTER AFH 06
AFM 15	Sleeve SAUTER AFM 15

SERVICES

Model	Description
963-163	DAkkS Calibration KERN 963-163
963-263	DAkkS Calibration KERN 963-263
963-263IV	DAkkS Calibration KERN 963-263IV
970-015	Warranty extension KERN (+3 years) 970-015
961-263	Factory calibration KERN 961-263
961-363	Factory calibration KERN 961-363
963-363	DAkkS Calibration KERN 963-363
963-163V	DAkkS Calibration KERN 963-163V
FS 404	Plug SAUTER FS 404
963-163IV	DAkkS Calibration KERN 963-163IV
963-363V	DAkkS Calibration KERN 963-363V
965-413	Assembly of components (> 350 kg - 1500 kg) 965-413
961-163	Factory calibration KERN 961-163
963-263V	DAkkS Calibration KERN 963-263V
963-363IV	DAkkS Calibration KERN 963-363IV

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CO 10-Y2	compression;tension	G5	10 kg	100 N
CO 100-Y2	compression;tension	G5	100 kg	1 kN
CO 20-Y2	compression;tension	G5	20 kg	200 N

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CO 50-Y2	compression;tension	G5	50 kg	500 N
CO 200-Y2	compression;tension	G5	200 kg	2 kN
CO 500-Y2	compression;tension	G5	500 kg	5 kN
CO 1000-Y2	compression;tension	G5	1000 kg	10 kN
CO 2000-Y2	compression;tension	G5	2000 kg	20 kN