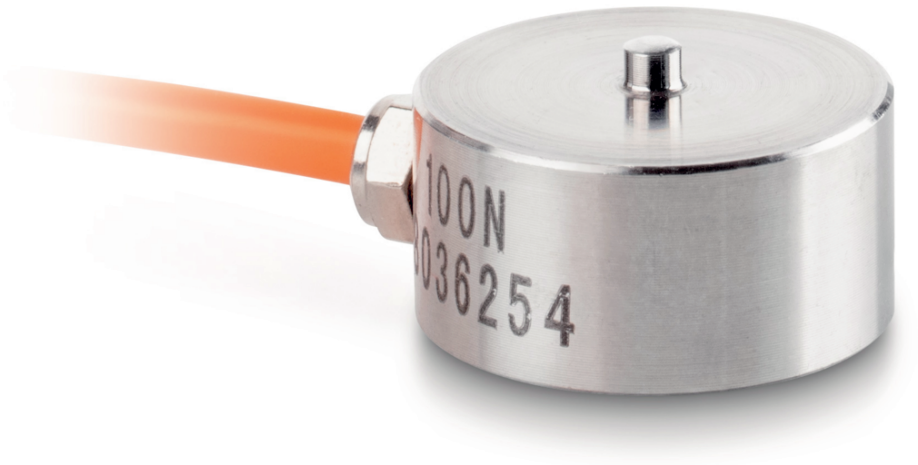
SAUTER

PRODUCT BROCHURE

SAUTER CO 500-Y1

Date: 10.03.2026

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

Scan here for more information

PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- High precision (comprehensive error 0,5% F.S.)
- RoHS compliant
- Area of application: Compressive force measurements
- Suitable for weight measurement as well as force and force test stands

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CO 500-Y1
Model-Serie	CO Y1
Assortment	Sauter
Product Type	Measuring cells
Product group	Knob shaped load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761233041
Customs tariff number	90249000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Force directions	compression
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	pressure piece (from customer side)
Mounting force out	3x Gewindebohrung M4

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	0.15 kg
Net weight	0.10 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	33 g
Packaging component - by weight - plastics	5 g
Packaging component - by weight - foam	10 g
Delivery time	1 d

FUNCTIONS

Standard

IP 65 1 DAY

Option

ISO DAkkS

ENGLISH

ACCESSORIES

Model	Description
FS 404	Plug SAUTER FS 404
FS TKZ	Transport case SAUTER FS TKZ
CE WT1-Y1	Analogue Weighing Transmitter SAUTER CE WT1-Y1
CE WT3-Y1	Analogue Weighing Transmitter SAUTER CE WT3-Y1
CE WT1-Y2	Analogue Weighing Transmitter SAUTER CE WT1-Y2

SERVICES

Model	Description
965-413	Assembly of components (> 350 kg - 1500 kg) 965-413
961-263	Factory calibration KERN 961-263
963-263	DAkkS Calibration KERN 963-263
963-263IV	DAkkS Calibration KERN 963-263IV
963-263V	DAkkS Calibration KERN 963-263V