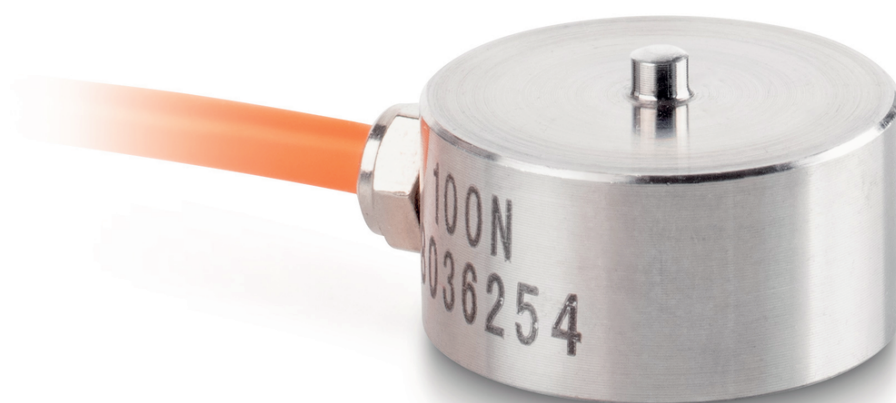


PRODUCT BROCHURE

SAUTER CO 100-Y1

Date: 29.04.2025

ENGLISH



Miniature cylindrical load cell made from stainless steel

CONTACT

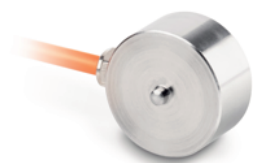
KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



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 100-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)	404576 1232945
Customs tariff number	90249000
CE Label	yes

Technical data - Primary

Force directions	compression
OIML class	G5
Weighing capacity	100 kg
Max (N)	1 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 M3 threaded hole

Technical data - Power supply

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

Technical data - Measuring system

Full scale output	1 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	0.10 kg
Net weight	0.05 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

Standard



Option



FUNCTIONS

ACCESSORIES

Model	Description
FS TKZ	Transport case SAUTER FS TKZ
CE WT4-Y1	Analogue Weighing Transmitter SAUTER CE WT4-Y1

SERVICES

Model	Description
965-412	Assembly of components (> 50 kg - 350 kg) 965-412
961-262	Factory calibration KERN 961-262
963-262	DAkkS Calibration KERN 963-262
FS 403	Plug SAUTER FS 403
963-262IV	DAkkS Calibration KERN 963-262IV
963-262V	DAkkS Calibration KERN 963-262V
970-013	Warranty extension KERN (+3 years) 970-013

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CO 20-Y1	compression	G5	20 kg	200 N
CO 50-Y1	compression	G5	50 kg	500 N
CO 200-Y1	compression	G5	200 kg	2 kN
CO 1000-Y1	compression	G5	1000 kg	10 kN
CO 2000-Y1	compression	G5	2000 kg	20 kN
CO 10-Y1	compression	G5	10 kg	100 N
CO 100-Y1	compression	G5	100 kg	1 kN
CO 500-Y1	compression	G5	500 kg	5 kN