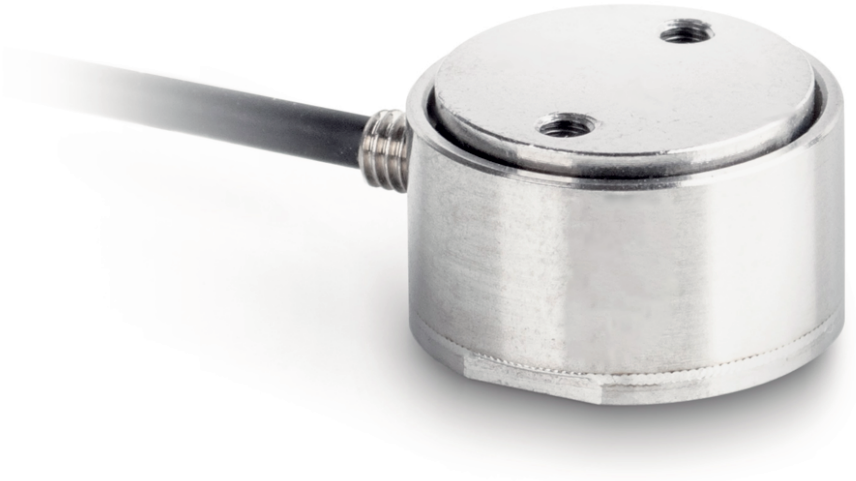
SAUTER

PRODUCT BROCHURE

SAUTER CO 1-Y5

Date: 10.03.2026

ENGLISH



Tension and compression 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

DESCRIPTION

- CE and RoHS compliant
- Very low design
- Suitable for test stands, force gauges, automation systems, etc.

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CO 1-Y5
Model-Serie	CO Y5
Assortment	Sauter
Product Type	Measuring cells
Product group	Knob shaped load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761250345
Customs tariff number	90249000
CE Label	yes
Country of Origin	CN

Technical data - Primary

Force directions	compression;tension
OIML class	G1
Weighing capacity	1 kg
Max (N)	10 N

Technical data - Construction

IP Protection	IP66
Material	stainless steel
cable length	2 m
Mounting force in	2x Gewindebohrung M2
Mounting force out	2x Gewindebohrung M2

Technical data - Power supply

Excitation Voltage min.	10 V
Excitation Voltage max.	15 V

Technical data - Measuring system

Full scale output	2 mV/V
combined error	0,1%
load cell connection	4-guide
measuring applications	force;mass

Technical data - Environmental conditions

Usage Temperature (min)	-10 °C
Usage temperature (max)	60 °C

Technical data - Packing & Shipping

ENGLISH

Dimensions packaging (W×D×H)	150×105×40 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	3 g
Packaging component - by weight - foam	11 g
Delivery time	1 d

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
FS 402	Plug SAUTER FS 402
FS TKZ	Transport case SAUTER FS TKZ

SERVICES

Model	Description
965-411	Assembly of components (< 50kg) 965-411
963-161	DAkkS Calibration KERN 963-161
961-161	Factory calibration KERN 961-161
961-261	Factory calibration KERN 961-261

Model	Description
961-361	Factory calibration KERN 961-361
963-261	DAkkS Calibration KERN 963-261
963-361	DAkkS Calibration KERN 963-361
963-161V	DAkkS Calibration KERN 963-161V
963-261IV	DAkkS Calibration KERN 963-261IV
963-261V	DAkkS Calibration KERN 963-261V
963-361IV	DAkkS Calibration KERN 963-361IV
963-361V	DAkkS Calibration KERN 963-361V