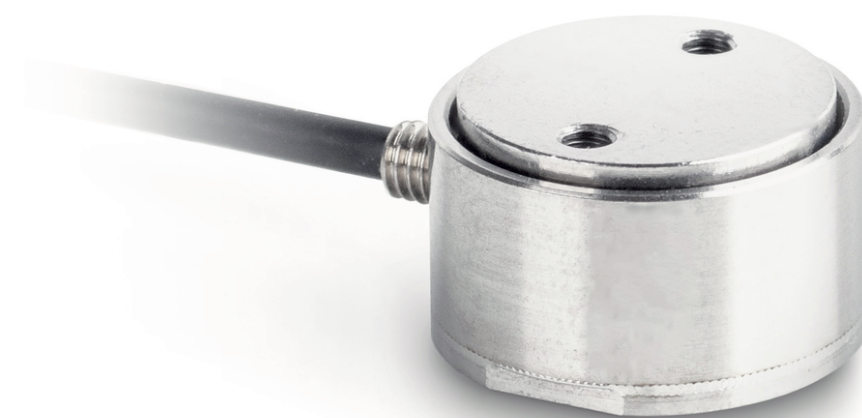


PRODUCT BROCHURE

SAUTER CO 1-Y5

Date: 29.04.2025

ENGLISH



Tension and compression force measuring cell made from stainless steel

CONTACT

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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)	404576 1250345
Customs tariff number	90249000
CE Label	yes

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

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 - 33 g
by weight - cardboard

Packaging component - 3 g
by weight - plastics

Packaging component - 11 g
by weight - foam

Delivery time 1 d

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
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
961-361	Factory calibration KERN 961-361
963-261	DAkkS Calibration KERN 963-261
963-361	DAkkS Calibration KERN 963-361
FS 402	Plug SAUTER FS 402
963-161V	DAkkS Calibration KERN 963-161V
963-261IV	DAkkS Calibration KERN 963-261IV
963-261V	DAkkS Calibration KERN 963-261V

Model	Description
963-36 1IV	DAkkS Calibration KERN 963-36 1IV
963-36 1V	DAkkS Calibration KERN 963-36 1V
970-016	Warranty extension KERN (+3 years) 970-016

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CO 0.5-Y5	compression;tension	G1	500 g	5 N
CO 5-Y5	compression;tension	G1	5 kg	50 N
CO 10-Y5	compression;tension	G1	10 kg	100 N
CO 1-Y5	compression;tension	G1	1 kg	10 N