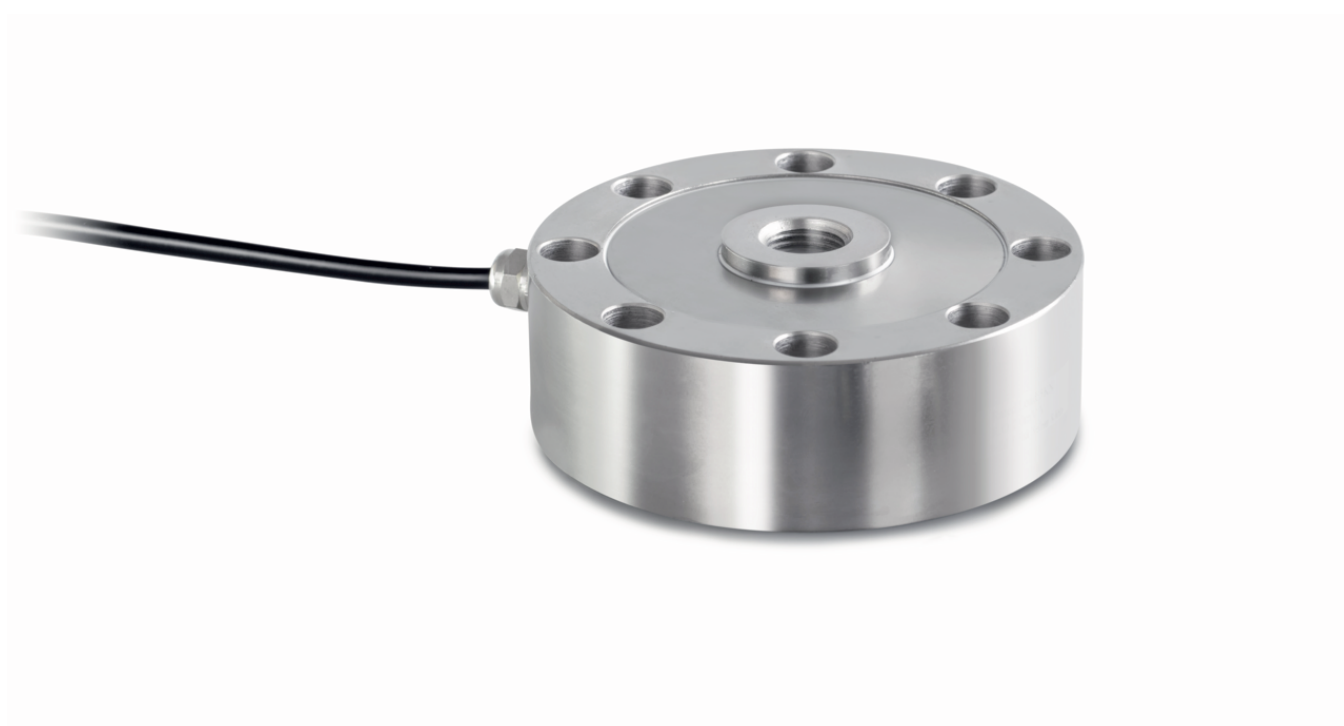


PRODUCT BROCHURE

SAUTER CR 5000-1Y1

Date: 23.04.2025

ENGLISH



Loadcell made of steel alloy

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- High precision (comprehensive Error 0,05% F.S.)
- RoHS compliant
- Area of application: for weight, tensile and compressive force measurement
- Suitable for weight measurement as well as force and force test stands
- Force transmission via pressure piece or threaded hole
- Pressure piece included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CR 5000-1Y1
Model-Serie	CR Y1
Assortment	Sauter
Product Type	Measuring cells
Product group	Load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	404576 1246 188
Customs tariff number	90249000

Technical data - Primary

Force directions	compression;tension
OIML class	C1
Weighing capacity	5000 kg
Max (N)	50 kN

Technical data - Construction

IP Protection	IP68
Material	steel
cable length	3 m

Mounting force in Pressure piece; Threaded hole M16 × 1,5

Mounting force out 8x Durchgangsbohrung Ø6,5mm

Technical data - Power supply

Excitation Voltage min. 5 V

Excitation Voltage max. 10 V

Technical data - Measuring system

Full scale output 2 mV/V

combined error 0,05%

load cell connection 4-guide

Measuring applications force; mass

Technical data - Environmental conditions

Usage Temperature (min) -20 °C

Usage temperature (max) 65 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 200×165×135 mm

Gross weight 2 kg

Net weight 1.8 kg

Shipping method Parcel service

Packaging component - by weight - cardboard 91 g

Packaging component - by weight - styrofoam 44 g

Delivery time 1 d

Technical data - Verification

Verification approval yes
conforming to
2014/31/EU

FUNCTIONS

Standard



Option



SERVICES

Model	Description
961-265	Factory calibration KERN 961-265
FS 406	Plug SAUTER FS 406
961-265V	Factory calibration KERN 961-265V
970-014	Warranty extension KERN (+3 years) 970-014
961-165	Factory calibration KERN 961-165
961-165V	Factory calibration KERN 961-165V
961-365	Factory calibration KERN 961-365
961-365V	Factory calibration KERN 961-365V

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RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
CR 500-1Y1	compression;tension	C 1	500 kg	5 kN
CR 1000-1Y1	compression;tension	C 1	1000 kg	10 kN
CR 5000-1Y1	compression;tension	C 1	5000 kg	50 kN
CR 10000-1Y1	compression;tension	C 1	10000 kg	100 kN
CR 20000-1Y1	compression;tension	C 1	20000 kg	200 kN