

PRODUCT BROCHURE

SAUTER CR 500-1Y1

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ENGLISH



Loadcell made of steel alloy

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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 500-1Y1
Model-Serie	CR Y1
Assortment	Sauter
Product Type	Measuring cells
Product group	Load cells
Product usage type	Main item;Accessories/Services
EAN code (Model)	4045761242326
Customs tariff number	90249000

CE Label	yes
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Technical data - Primary

Force directions	compression;tension
OIML class	C1
Weighing capacity	500 kg
Max (N)	5 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

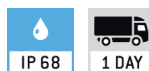
Technical data - Packing & Shipping

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
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FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
FS TKZ	Transport case SAUTER FS TKZ

SERVICES

Model	Description
961-263	Factory calibration KERN 961-263
FS 404	Plug SAUTER FS 404
963-163IV	DAkkS Calibration KERN 963-163IV
963-163V	DAkkS Calibration KERN 963-163V
963-263IV	DAkkS Calibration KERN 963-263IV
963-263V	DAkkS Calibration KERN 963-263V
963-363IV	DAkkS Calibration KERN 963-363IV
963-363V	DAkkS Calibration KERN 963-363V
970-014	Warranty extension KERN (+3 years) 970-014

RELATED ARTICLES DATA

Model name	Force directions	OIML class	Weighing capacity	Max (N)
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
CR 500-1Y1	compression;tension	C 1	500 kg	5 kN