

## PRODUCT BROCHURE

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# SAUTER CR 5000-1Y1

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ENGLISH



Loadcell made of steel alloy

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### 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                       |

|          |     |
|----------|-----|
| CE Label | yes |
|----------|-----|

### 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  |

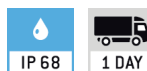
### Technical data - Packing & Shipping

|                                             |                |
|---------------------------------------------|----------------|
| 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 |
|---------------|-----|

### FUNCTIONS

|          |
|----------|
| Standard |
|----------|



|        |
|--------|
| Option |
|--------|



## SERVICES

| Model    | Description                                |
|----------|--------------------------------------------|
| 961-165  | Factory calibration KERN 961-165           |
| 961-265  | Factory calibration KERN 961-265           |
| 961-365  | Factory calibration KERN 961-365           |
| FS 406   | Plug SAUTER FS 406                         |
| 961-165V | Factory calibration KERN 961-165V          |
| 961-265V | Factory calibration KERN 961-265V          |
| 961-365V | Factory calibration KERN 961-365V          |
| 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 | C1         | 1000 kg           | 10 kN   |
| CR 5000-1Y1  | compression;tension | C1         | 5000 kg           | 50 kN   |
| CR 10000-1Y1 | compression;tension | C1         | 10000 kg          | 100 kN  |
| CR 20000-1Y1 | compression;tension | C1         | 20000 kg          | 200 kN  |
| CR 500-1Y1   | compression;tension | C1         | 500 kg            | 5 kN    |