SAUTER

# PRODUCT BROCHURE

# SAUTER CS 100-3Q1

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ENGLISH



6-wire "S" measuring cell made of nickel-plated steel for force and mass measurement


## CONTACT

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Scan here for more information

## DESCRIPTION

- RoHS compliant
- Area of application: for tensile and compressive force measurement
- Suitable for handing scales, weigh hoppers and other weighing devices as well as force measurement devices and test stands

ENGLISH

## SPECIFICATIONS

### Article codes, product groups & Status information

| | |
|---|---|
| Model article-code | CS 100-3Q1 |
| Model-Serie | CS Q1 |
| Assortment | Sauter |
| Product Type | Measuring cells |
| Product group | S-shape load cells |
| Product usage type | Main item;Accessories/Services |
| EAN code (Model) | 4045761222007 |
| Customs tariff number | 90249000 |
| CE Label | yes |
| Country of Origin | ES |

### Technical data - Primary

| | |
|---|---|
| Force directions | compression;tension |
| OIML class | C3 |
| Weighing capacity | 100 kg |
| Max (N) | 1 kN |

### Technical data - Construction

| | |
|---|---|
| IP Protection | IP67 |
| Material | steel, nickel-plated |
| Dimensions (W×D×H) | 80×62,1×19 mm |
| cable length | 5 m |
| Mounting force in | threaded hole M12 |
| Mounting force out | Threaded hole M12 |

### 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 | 0,017% |
| load cell connection | 6-Leiter |
| measuring applications | force;mass |

### Technical data - Packing & Shipping

| | |
|---|---|
| Dimensions packaging (W×D×H) | 250×155×60 mm |
| Gross weight | 0.90 kg |
| Net weight | 0.80 kg |

| | |
|---|---|
| Shipping method | Parcel service |
| Packaging component - by weight - cardboard | 242 g |
| Packaging component - by weight - plastics | 5 g |
| Delivery time | 1 d |

## Technical data - Verification

| | |
|---|---|
| Resolution loadcell (e) | 3000 e |

## FUNCTIONS

Standard




Option




## ACCESSORIES

| Model | Description |
|---|---|
| YKV-01 | IoT-Line Digital Weighing Transmitter KERN YKV-01 |
| CE R12 | Rod end SAUTER CE R12 |
| CE RR12 | Rod end SAUTER CE RR12 |
| CE Q12 | Traction device SAUTER CE Q12 |
| YKV-02 | IoT-Line Digital Weighing Transmitter KERN YKV-02 |
| AFM 16 | Adapter KERN AFM 16 |
| AFM 17 | Thread SAUTER AFM 17 |
| AFM 18 | Thread SAUTER AFM 18 |
| AFM 19 | Sleeve SAUTER AFM 19 |
| AFM 21 | Thread SAUTER AFM 21 |
| FS 403 | Plug SAUTER FS 403 |

| Model | Description |
|---|---|
| FS TKZ | Transport case SAUTER FS TKZ |
| CE WT1-Y1 | Analogue Weighing Transmitter SAUTER CE WT1-Y1 |
| CE WT3-Y1 | Analogue Weighing Transmitter SAUTER CE WT3-Y1 |
| CE WT1-Y2 | Analogue Weighing Transmitter SAUTER CE WT1-Y2 |

## SERVICES

| Model | Description |
|---|---|
| 961-162 | Factory calibration KERN 961-162 |
| 961-262 | Factory calibration KERN 961-262 |
| 961-362 | Factory calibration KERN 961-362 |
| 963-162 | DAkkS Calibration KERN 963-162 |
| 963-262 | DAkkS Calibration KERN 963-262 |
| 963-362 | DAkkS Calibration KERN 963-362 |
| 963-162IV | DAkkS Calibration KERN 963-162IV |
| 963-162V | DAkkS Calibration KERN 963-162V |
| 963-262IV | DAkkS Calibration KERN 963-262IV |
| 963-262V | DAkkS Calibration KERN 963-262V |
| 963-362IV | DAkkS Calibration KERN 963-362IV |
| 963-362V | DAkkS Calibration KERN 963-362V |