

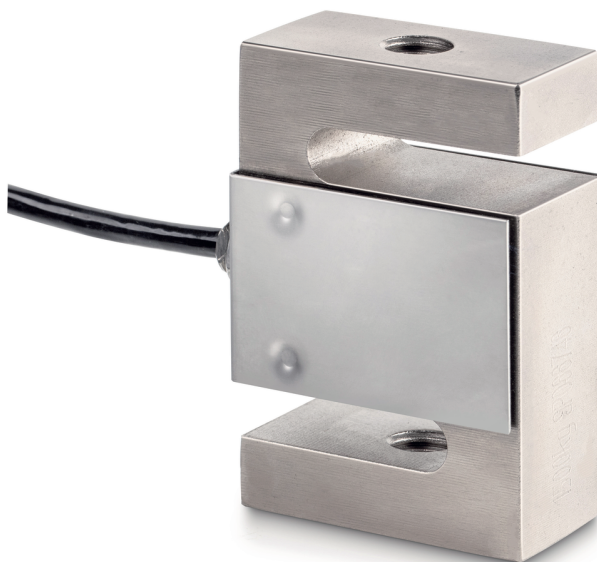
## PRODUCT BROCHURE

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# SAUTER CS 30000-3P1

Date: 29.04.2025

ENGLISH



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

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### CONTACT

KERN & SOHN GmbH  
Ziegelei 1  
72336 Balingen  
Germany

Phone : +49 7433 9933-0  
Fax : +49 7433 9933-149  
Email : [info@kern-sohn.com](mailto:info@kern-sohn.com)  
Web : [www.kern-sohn.com](http://www.kern-sohn.com)



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## DESCRIPTION

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

## SPECIFICATIONS

### Article codes, product groups & Status information

|                       |                                |
|-----------------------|--------------------------------|
| Model article-code    | CS 30000-3P1                   |
| Model-Serie           | CS P1                          |
| Assortment            | Sauter                         |
| Product Type          | Measuring cells                |
| Product group         | S-shape load cells             |
| Product usage type    | Main item;Accessories/Services |
| EAN code (Model)      | 404576 122 1505                |
| Customs tariff number | 90249000                       |
| CE Label              | yes                            |

### Technical data - Primary

|                   |                     |
|-------------------|---------------------|
| Force directions  | compression;tension |
| OIML class        | C3                  |
| Weighing capacity | 30000 kg            |
| Max (N)           | 300 kN              |

### Technical data - Construction

|               |                      |
|---------------|----------------------|
| IP Protection | IP67                 |
| Material      | steel, nickel-plated |

|                    |                       |
|--------------------|-----------------------|
| Dimensions (W×D×H) | 190×230×80 mm         |
| cable length       | 6 m                   |
| Mounting force in  | Threaded hole M42 × 3 |
| Mounting force out | Threaded hole M42 × 3 |

### Technical data - Power supply

|                         |      |
|-------------------------|------|
| Excitation Voltage min. | 5 V  |
| Excitation Voltage max. | 12 V |

### Technical data - Measuring system

|                        |            |
|------------------------|------------|
| Full scale output      | 2 mV/V     |
| combined error         | 0,02%      |
| load cell connection   | 4-guide    |
| measuring applications | force;mass |

### Technical data - Environmental conditions

|                         |        |
|-------------------------|--------|
| Usage Temperature (min) | -10 °C |
| Usage temperature (max) | 40 °C  |

### Technical data - Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Dimensions packaging (W×D×H) | 600×600×200 mm |
|------------------------------|----------------|

|                                                |                |
|------------------------------------------------|----------------|
| Gross weight                                   | 13 kg          |
| Net weight                                     | 12 kg          |
| Shipping method                                | Parcel service |
| Packaging component -<br>by weight - cardboard | 1 kg           |
| Delivery time                                  | 113 d          |

## Technical data - Verification

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

## FUNCTIONS

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



## ACCESSORIES

| Model     | Description                                       |
|-----------|---------------------------------------------------|
| YKV-01    | IoT-Line Digital Weighing Transmitter KERN YKV-01 |
| CJ P2     | Junction Box SAUTER CJ P2                         |
| CJ P4PG   | Junction Box SAUTER CJ P4PG                       |
| CJ P4     | Junction Box SAUTER CJ P4                         |
| CE WT4-Y1 | Analogue Weighing Transmitter SAUTER CE WT4-Y1    |

## SERVICES

| Model   | Description                                |
|---------|--------------------------------------------|
| FS 401  | Numerical adjustment FS 401                |
| 970-109 | Warranty extension KERN (+2 years) 970-109 |

## RELATED ARTICLES DATA

| Model name | Force directions    | OIML class | Weighing capacity | Max (N) |
|------------|---------------------|------------|-------------------|---------|
| CS 25-3P1  | compression;tension | C3         | 25 kg             | 250 N   |
| CS 50-3P1  | compression;tension | C3         | 50 kg             | 500 N   |

| Model name   | Force directions    | OIML class | Weighing capacity | Max (N) |
|--------------|---------------------|------------|-------------------|---------|
| CS 100-3P1   | compression;tension | C3         | 100 kg            | 1 kN    |
| CS 150-3P1   | compression;tension | C3         | 150 kg            | 1,5 kN  |
| CS 250-3P1   | compression;tension | C3         | 250 kg            | 2,5 kN  |
| CS 500-3P1   | compression;tension | C3         | 500 kg            | 5 kN    |
| CS 600-3P1   | compression;tension | C3         | 600 kg            | 6 kN    |
| CS 750-3P1   | compression;tension | C3         | 750 kg            | 7,5 kN  |
| CS 1000-3P1  | compression;tension | C3         | 1000 kg           | 10 kN   |
| CS 1500-3P1  | compression;tension | C3         | 1500 kg           | 15 kN   |
| CS 2000-3P1  | compression;tension | C3         | 2000 kg           | 20 kN   |
| CS 2500-3P1  | compression;tension | C3         | 2500 kg           | 25 kN   |
| CS 5000-3P1  | compression;tension | C3         | 5000 kg           | 50 kN   |
| CS 7500-3P1  | compression;tension | C3         | 7500 kg           | 75 kN   |
| CS 10000-3P1 | compression;tension | C3         | 10000 kg          | 100 kN  |
| CS 15000-3P1 | compression;tension | C3         | 15000 kg          | 150 kN  |
| CS 20000-3P1 | compression;tension | C3         | 20000 kg          | 200 kN  |
| CS 30000-3P1 | compression;tension | C3         | 30000 kg          | 300 kN  |