PROFESSIONAL MEASURING
SINCE 1844

KERN

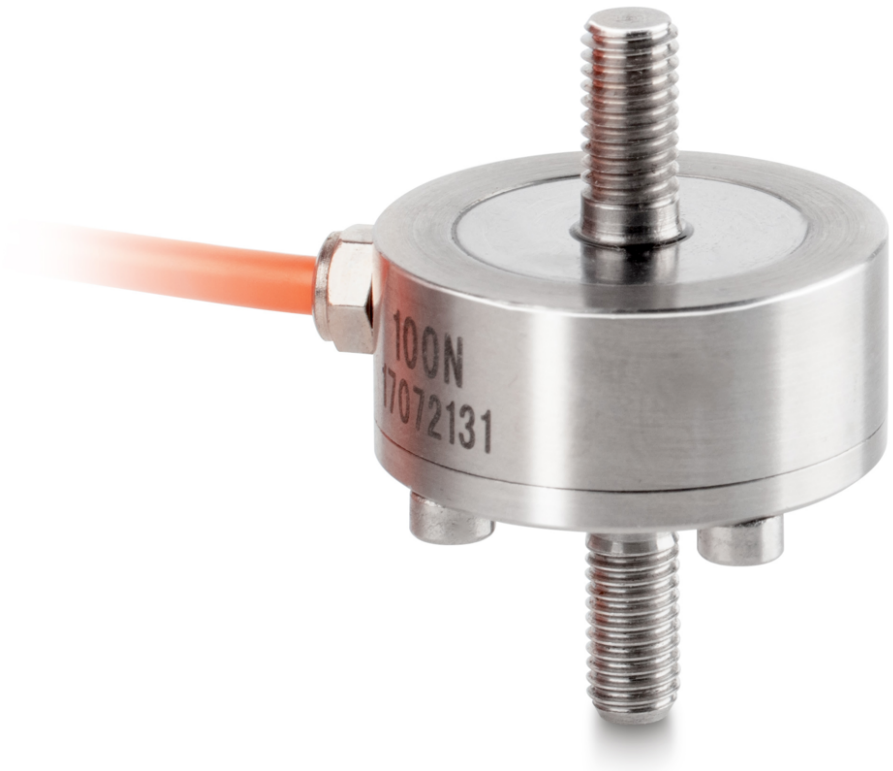
Product brochure

30.10.2026

# SAUTER CO 500-Y2

Miniature cylindrical load cell made from stainless steel

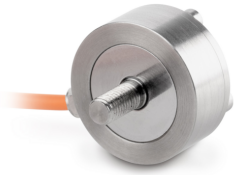
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## APPLICATION EXAMPLE





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## FEATURES

- High precision (comprehensive error 0,5% F.S.)
- Area of application: Tensile and compressive applications, mass and force measurement
- Suitable for weight measurement as well as force and force test stands

## MAIN SCOPE OF APPLICATIONS

- Research and development
- Mechanical engineering and testing technology
- Automotive and supplier industry
- Medical technology and biomechanics
- Calibration technology and test equipment manufacturing

## PICTOGRAMS

Standard




Option




## MODEL OVERVIEW

| Model | Weighing capacity [Max] | Measuring range [Max] |
|---|---|---|
| CO 10-Y2 | 10 kg | 100 N |

| Model | Weighing capacity [Max] | Measuring range [Max] |
|---|---|---|
| CO 20-Y2 | 20 kg | 200 N |
| CO 50-Y2 | 50 kg | 500 N |
| CO 100-Y2 | 100 kg | 1 kN |
| CO 200-Y2 | 200 kg | 2 kN |
| CO 500-Y2 | 500 kg | 5 kN |
| CO 1000-Y2 | 1000 kg | 10 kN |
| CO 2000-Y2 | 2000 kg | 20 kN |



## ACCESSORIES

| Model | Description |
|---|---|
| AFH 06 | Pressure disc (⌀ 110 mm, External thread M12) AFH 06 |
| AFM 13 | Adapter AFM 13 (Threaded hole M12 \| External thread M6) |
| AFM 15 | Adapter AFM 15 (Threaded hole M12 \| Threaded hole M6) |
| FS 404 | Connector for FS measuring cell mounted & adjusted to 5 kN FS 404 |
| FS TKZ | Transport case FS TKZ |

## SERVICES

| Model | Description |
|---|---|
| 961-163 | Factory calibration certificate 961-163 (tension \| N) |
| 961-263 | Factory calibration certificate 961-263 (compression \| N) |
| 961-363 | Factory calibration certificate 961-363 (tension, compression \| N) |
| 963-163 | DAkkS calibration certificate 963-163 (force direction tension \| measurement result unit N \| calibration standard DKD-R 3-3 - sequence A) |
| 963-163IV | DAkkS calibration certificate 963-163IV (force direction tension \| measurement result unit mV/V \| calibration standard ISO 376) |
| 963-163V | DAkkS calibration certificate 963-163V (force direction tension \| measurement result unit mV/V \| calibration standard DKD-R 3-3 - sequence A) |
| 963-263 | DAkkS calibration certificate 963-263 (force direction compression \| measurement result unit N \| calibration standard DKD-R 3-3 - sequence A) |
| 963-263IV | DAkkS calibration certificate 963-263IV (force direction compression \| measurement result unit mV/V \| calibration standard ISO 376) |
| 963-263V | DAkkS calibration certificate 963-263V (force direction compression \| measurement result unit mV/V \| calibration standard DKD-R 3-3 - sequence A) |

| Model | Description |
|---|---|
| 963-363 | DAkkS calibration certificate 963-363 (force direction tension, compression \| measurement result unit N \| calibration standard DKD-R 3-3 - sequence A) |
| 963-363IV | DAkkS calibration certificate 963-363IV (force direction tension, compression \| measurement result unit mV/V \| calibration standard ISO 376) |
| 963-363V | DAkkS calibration certificate 963-363V (force direction tension, compression \| measurement result unit mV/V \| calibration standard DKD-R 3-3 - sequence A) |
| 965-413 | Assembly of components 965-413 (> 350 kg – 1500 kg) |
| 970-015 | Warranty extension (+3 years) 970-015 |

# KERN Pictogram Overview

| | |
|---|---|
|  | Protection against dust and water splashes IP65 |
|  | Package shipment by courier service: The duration of internal product provision is one day |
|  | Factory calibration (ISO): Factory calibration takes 4 working days |
|  | Accredited calibration (DKD): The duration of the accredited calibration is 3 working days |

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