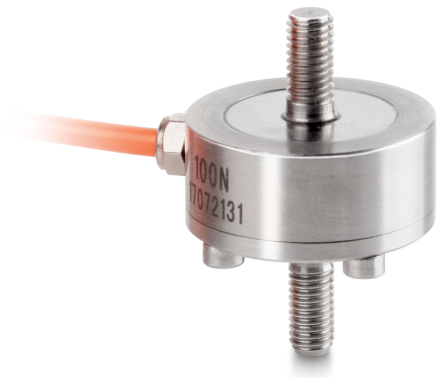
# SAUTER **CO 500-Y2**

Miniature cylindrical load cell made from stainless steel




## Category

| | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load/force measuring cell |
| Product family | CO Y2 |

## Measuring System

| | |
|---|---|
| Weighing capacity [Max] | 500 kg |
| Measuring range force [Max] (N) | 5 kN |
| Load cell - characteristic value - nominal | 1,5 mV/V |
| Load cell OIML class | G5 |
| Load cell connection | 4-wire |
| Power supply + Colour | red |
| Power supply - Colour | black |
| Signal + Colour | green |
| Signal - Colour | white |
| Measuring applications | force<br>mass |
| Directions of force | tension<br>compression |
| Load sell - Input resistance - nominal | 350 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Input resistance - variance | 20 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Load cell - Recommended exitation voltage [Min] | 9 V |
| Load cell - Recommended exitation voltage [Max] | 12 V |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Combined error | 0,5% |
| Temperature coefficient - characteristic value | ± 0.05% F.S. /10 °C |
| Zero balance | ≤± 1.0%FS |
| Temperature coefficient - zero signal | ± 0.05% F.S. /10 °C |
| Creep error (30 minutes) | +- 0.1%FS |
| Safe overload | 150% |
| Ultimate overload | 200% |

## Functions

| | |
|---|---|
| IP protection - complete device | IP65 |

## Construction

| | |
|---|---|
| Material | steel, stainless |
| Design | Tension-/compression rod |
| Dimension (Ø×H) | 51×70 mm |
| Cable length | 2 m |
| Mounting - force application | External thread M12 |
| Mounting - force dissipation | External thread M12 |

## Environmental conditions

| | |
|---|---|
| Use temperature [Min] | 0 °C |
| Use temperature [Max] | 40 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

| | |
|---|---|
| Article number for DAkkS calibration (compressive force) | 963-263V |
| Article number for DAkkS calibration (tensile force) | 963-163V |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-363V |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761233058 |
| Trade number | 90249000 |
| REACH classification | no prohibited substances |

# SAUTER **CO 500-Y2**

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## Packing & Shipping

| | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 120×90×85 mm |
| Net weight approx. | 0,50 kg |
| Gross weight approx. | 0,55 kg |
| Shipping volume weight | 0,2 kg |

## Pictograms

### STANDARD

IP 65 | 1 DAY

### OPTION

ISO | DAkkS