# SAUTER **CO 10-Y5**

Tension and compression force measuring cell made from stainless steel



## Category

| | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load/force measuring cell |
| Product family | CO Y5 |

## Measuring System

| | |
|---|---|
| Weighing capacity [Max] | 10 kg |
| Measuring range force [Max] (N) | 100 N |
| Load cell - characteristic value - nominal | 2 mV/V |
| Load cell - characteristic value - variance | 1 mV/V |
| Load cell OIML class | G1 |
| 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 | 680 Ω |
| Load cell - Output resistance - nominal | 680 Ω |
| Load cell - Input resistance - variance | 10 Ω |
| Load cell - Output resistance - variance | 10 Ω |
| Load cell - Recommended exitation voltage [Min] | 10 V |
| Load cell - Recommended exitation voltage [Max] | 15 V |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Combined error | 0,1% |
| Temperature coefficient - characteristic value | ± 0.05% F.S. / 10 °C |
| Temperature coefficient - zero signal | ± 0.05% F.S. / 10 °C |
| Safe overload | 200% |
| Ultimate overload | 500% |

## Functions

| | |
|---|---|
| IP protection - complete device | IP66 |

## Construction

| | |
|---|---|
| Material | steel, stainless |
| Design | round |
| Cable length | 2 m |
| Mounting - force application | 2 × threaded hole M2 |
| Mounting - force dissipation | 2 × threaded hole M2 |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -20 °C |
| Ambient temperature [Max] | 80 °C |
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 60 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

| | |
|---|---|
| Article number for DAkkS calibration (compressive force) | 963-261V |
| Article number for DAkkS calibration (tensile force) | 963-161V |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-361V |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761251656 |
| Trade number | 90249000 |
| REACH classification | no prohibited substances |

## Packing & Shipping

| | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 150×105×40 mm |

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| | |
|---|---|
| Net weight approx. | 0,05 kg |
| Gross weight approx. | 0,10 kg |
| Shipping volume weight | 0,1 kg |

## Pictograms

### STANDARD




### OPTION

