# SAUTER **CR 1000-1Y1**

Loadcell made of steel alloy



## Category

| | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load/force measuring cell |
| Product family | CR Y1 |

## Measuring System

| | |
|---|---|
| Weighing capacity [Max] | 1000 kg |
| Measuring range force [Max] (N) | 10 kN |
| Load cell - characteristic value - nominal | 2 mV/V |
| Load cell OIML class | C1 |
| 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 | 380 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Input resistance - variance | 10 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Load cell - Recommended exitation voltage [Min] | 5 V |
| Load cell - Recommended exitation voltage [Max] | 10 V |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Combined error | 0,05% |
| Temperature coefficient - characteristic value | ≤± 0.05%FS/10 °C |
| Zero balance | ± 1.0%FS |
| Temperature coefficient - zero signal | ≤± 0.05%FS/10 °C |
| Creep error (30 minutes) | ≤± 0.05%FS |
| Safe overload | 150% |
| Ultimate overload | 200% |

## Functions

| | |
|---|---|
| IP protection - complete device | IP68 |

## Construction

| | |
|---|---|
| Material | steel |
| Design | Load cell |
| Dimension (Ø×H) | 105×37 mm |
| Cable length | 3 m |
| Mounting - force application | Pressure piece<br>Threaded hole M16 × 1,5 |
| Mounting - force dissipation | 8 × through hole Ø 6,5 mm |

## Environmental conditions

| | |
|---|---|
| Use temperature [Min] | -20 °C |
| Use temperature [Max] | 65 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

| | |
|---|---|
| Article number for factory calibration (compressive force) | 961-264V |
| Article number for factory calibration (tensile force) | 961-164V |
| Article number for factory calibration (tensile force/ compressive force) | 961-364V |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761246171 |
| Trade number | 90249000 |
| REACH classification | no prohibited substances |

## Packing & Shipping

| | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 200×165×135 mm |

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| | |
|---|---|
| Net weight approx. | 1,8 kg |
| Gross weight approx. | 2,0 kg |
| Shipping volume weight | 0,9 kg |

## Pictograms

### STANDARD




### OPTION

