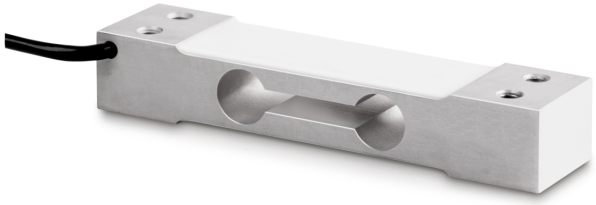
# SAUTER **CP 20-3P1**

Single-point load cell made of anodised aluminium



**Date of creation: 10.08.2026**

| Category | |
|---|---|
| Brand | Sauter |
| Product category | Measuring cell |
| Product group | Load cell |
| Product family | CP P1 |

| Measuring System | |
|---|---|
| Weighing capacity [Max] | 20 kg |
| Load cell - characteristic value - nominal | 2 mV/V |
| Load cell - characteristic value - variance | 0,2 mV/V |
| Load cell OIML class | C3 |
| Load cell connection | 4-wire |
| Power supply + Colour | red |
| Power supply - Colour | black |
| Signal + Colour | green |
| Signal - Colour | white |
| Load cell - Resolution (verifiable) | 3000 e |
| Load cell - Dead load [Min] (%) | 0% |
| Measuring applications | mass |
| Directions of force | compression |
| Load cell - Y-value | 10000 |
| Load sell - Input resistance - nominal | 409 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Input resistance - variance | 6 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Load cell - Recommended exitation voltage [Min] | 5 V |
| Load cell - Recommended exitation voltage [Max] | 12 V |
| Load cell - Isolation resistance - [Min] | 5000 MΩ |
| Load cell - Combined error | 0,023% |
| Temperature coefficient - characteristic value | ≤± 0.0175%FS/10 °C |
| Zero balance | ≤± 2.0%FS |
| Temperature coefficient - zero signal | ≤± 0.02%FS/10 °C |
| Creep error (30 minutes) | ≤± 0.0167%FS |
| Safe overload | 150% |
| Ultimate overload | 300% |

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

| Construction | |
|---|---|
| Material | aluminium |
| Design | Singlepoint load cell |
| Dimension (W×D×H) | 130×30×22 mm |
| Maximum platform size | 250×350 mm |
| Cable length | 0,4 m |
| Mounting - force application | 2 × threaded hole M6 |
| Mounting - force dissipation | 2 × threaded hole M6 |

| Environmental conditions | |
|---|---|
| Ambient temperature [Min] | -35 °C |
| Ambient temperature [Max] | 65 °C |
| Use temperature [Min] | -10 °C |
| Use temperature [Max] | 40 °C |
| Storage temperature [Min] | -40 °C |
| Storage temperature [Max] | 70 °C |

| Approval | |
|---|---|
| CE mark | ✓ |

| Product information | |
|---|---|
| Warranty Time | 24 mon |
| Trade number | 84239010 |
| GTIN/EAN number | 4045761221185 |

| Packing & Shipping | |
|---|---|
| Shipping method | Parcel service |
| Delivery time | 1 d |

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| | |
|---|---|
| Dimensions packaging (W×D×H) | 160×95×45 mm |
| Net weight approx. | 0,20 kg |
| Gross weight approx. | 0,25 kg |
| Shipping volume weight | 0,1 kg |

## Pictograms

### STANDARD

### OPTION