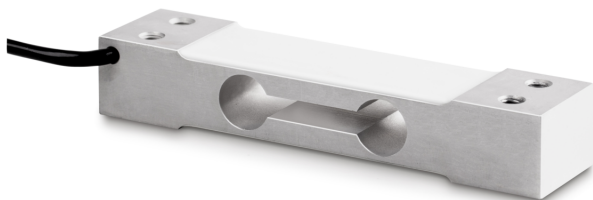


# SAUTER CP 20-2Y1

Single-point load cell made of anodised aluminium

**KERN**

## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Measuring cell |
| Product group    | Load cell      |
| Product family   | CP Y1          |

## 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                             | C2                 |
| Load cell connection                             | 4-wire             |
| Power supply + Colour                            | red                |
| Power supply - Colour                            | black              |
| Signal + Colour                                  | green              |
| Signal - Colour                                  | white              |
| Load cell - Dead load [Min] (%)                  | 0%                 |
| Measuring applications                           | mass               |
| Directions of force                              | compression        |
| Load cell - Input resistance - nominal           | 405 $\Omega$       |
| Load cell - Output resistance - nominal          | 350 $\Omega$       |
| Load cell - Input resistance - variance          | 10 $\Omega$        |
| Load cell - Output resistance - variance         | 3 $\Omega$         |
| Load cell - Recommended excitation voltage [Min] | 9 V                |
| Load cell - Recommended excitation voltage [Max] | 12 V               |
| Load cell - Isolation resistance - [Min]         | 5000 M $\Omega$    |
| Load cell - Combined error                       | 0,03%              |
| Zero balance                                     | $\leq \pm 1.5\%FS$ |

|                   |      |
|-------------------|------|
| Safe overload     | 120% |
| Ultimate overload | 150% |

## Functions

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

## Construction

|                              |                       |
|------------------------------|-----------------------|
| Material                     | aluminium             |
| Design                       | Singlepoint load cell |
| Dimension (W×D×H)            | 130×22×30 mm          |
| Maximum platform size        | 250×350 mm            |
| Cable length                 | 0,45 m                |
| Mounting - force application | 2 × threaded hole M6  |
| Mounting - force dissipation | 2 × threaded hole M6  |

## Environmental conditions

|                           |        |
|---------------------------|--------|
| Ambient temperature [Min] | -20 °C |
| Ambient temperature [Max] | 50 °C  |
| Use temperature [Min]     | -10 °C |
| Use temperature [Max]     | 40 °C  |
| Storage temperature [Min] | -30 °C |
| Storage temperature [Max] | 60 °C  |

## Approval

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

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761246256            |
| Trade number         | 84239010                 |
| REACH classification | no prohibited substances |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Shipping method              | Parcel service |
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 170×110×25 mm  |
| Net weight approx.           | 0,20 kg        |
| Gross weight approx.         | 0,20 kg        |
| Shipping volume weight       | 0,1 kg         |

# SAUTER CP 20-2Y1



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## Pictograms

### STANDARD

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### OPTION

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