

# SAUTER CT 5000-3P2

Shear beam made from stainless steel

# KERN



## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Measuring cell |
| Product group    | Load cell      |
| Product family   | CT P2          |

## Measuring System

|                                                  |                 |
|--------------------------------------------------|-----------------|
| Weighing capacity [Max]                          | 5000 kg         |
| Load cell - characteristic value - nominal       | 3 mV/V          |
| Load cell - characteristic value - variance      | 0,003 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 cell - Input resistance - nominal           | 350 $\Omega$    |
| Load cell - Input resistance - variance          | 3,5 $\Omega$    |
| Load cell - Output resistance - nominal          | 350 $\Omega$    |
| Load cell - Output resistance - variance         | 3,5 $\Omega$    |
| Load cell - Recommended excitation voltage [Min] | 5 V             |
| Load cell - Recommended excitation voltage [Max] | 12 V            |
| Load cell - Isolation resistance - [Min]         | 5000 M $\Omega$ |
| Load cell - Combined error                       | 0,023%          |

|                   |                |
|-------------------|----------------|
| Zero balance      | $\pm 1.0\%$ FS |
| Safe overload     | 150%           |
| Ultimate overload | 300%           |

## Functions

|                                 |      |
|---------------------------------|------|
| IP protection - complete device | IP67 |
|---------------------------------|------|

## Construction

|                              |                                        |
|------------------------------|----------------------------------------|
| Material                     | steel, nickel-plated                   |
| Design                       | Shear beam measuring cell              |
| Dimension (W×D×H)            | 171,5×40×38,1 mm                       |
| Cable length                 | 6 m                                    |
| Mounting - force application | Threaded hole M18 × 1,5                |
| Mounting - force dissipation | 2 × through hole $\varnothing$ 19,8 mm |

## 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] | 80 °C  |

## Approval

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

## Services (optional)

|                                                            |          |
|------------------------------------------------------------|----------|
| Article number for factory calibration (compressive force) | 961-265V |
|------------------------------------------------------------|----------|

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761225626            |
| REACH classification | no prohibited substances |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Shipping method              | Parcel service |
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 285×195×95 mm  |
| Net weight approx.           | 0,95 kg        |
| Gross weight approx.         | 2,0 kg         |
| Shipping weight              | 1,826 kg       |

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## Pictograms

### STANDARD

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### OPTION

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