

KERN CO 2000-Y1

Miniature cylindrical load cell made from stainless steel

KERN



Category

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

Measuring System

| | |
|--|-----------------|
| Weighing capacity [Max] | 2000 kg |
| Load cell connection | 4-wire |
| Load cell OIML class | G5 |
| Load cell - characteristic value - nominal | 1 mV/V |
| Load cell - Combined error | 0,5% |
| Measuring applications | force mass |
| Load cell - Input resistance - nominal | 350 Ω |
| Load cell - Output resistance - nominal | 350 Ω |
| Load cell - Isolation resistance - [Min] | 5000 M Ω |
| Load cell - Recommended excitation voltage [Min] | 9 V |
| Load cell - Recommended excitation voltage [Max] | 12 V |
| Load cell - Input resistance - variance | 20 Ω |
| Load cell - Output resistance - variance | 3 Ω |
| Measuring range force [Max] (N) | 20 kN |
| Directions of force | compression |

Approval

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

Construction

| | |
|-------------------------------|-----------------------------------|
| Design | Load cell |
| Material | stainless steel |
| Cable length | 2 m |
| Dimension (\varnothing ×H) | 30×18 mm |
| Mounting - force application | Thrust piece (from customer side) |
| Mounting - force dissipation | 3 × threaded hole M4 |

Functions

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

Environmental conditions

| | |
|-----------------------|-------|
| Use temperature [Min] | 0 °C |
| Use temperature [Max] | 40 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 120×90×85 mm |
| Net weight | 0,097 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,10 kg |
| Gross weight approx. | 0,15 kg |
| Shipping weight | 0,2 kg |

Services (optional)

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| Article number for factory calibration (compressive force) | 961-264V |
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Pictograms

STANDARD



OPTION

