

# KERN CO 100-Y1

Miniature cylindrical load cell made from stainless steel



## Article codes, product groups & Status information

|                       |                                |
|-----------------------|--------------------------------|
| Model article-code    | CO 100-Y1                      |
| Model-Serie           | CO Y1                          |
| Assortment            | Sauter                         |
| Product Type          | Measuring cells                |
| Product group         | Knob shaped load cells         |
| Product usage type    | Main item;Accessories/Services |
| EAN code (Model)      | 4045761232945                  |
| Planned start date    | 2020-1HJ                       |
| Customs tariff number | 90249000                       |

## Technical data - Primary

|                   |             |
|-------------------|-------------|
| Force directions  | Compression |
| OIML class        | G5          |
| Weighing capacity | 100 kg      |
| Max (N)           | 1 kN        |

## Technical data - Construction

|                    |                                     |
|--------------------|-------------------------------------|
| IP Protection      | IP65                                |
| Material           | Stainless steel                     |
| cable length       | 2 m                                 |
| Mounting force in  | Pressure piece (from customer side) |
| Mounting force out | 3x M3 threaded hole                 |

## Technical data - Power supply

|                         |      |
|-------------------------|------|
| Excitation Voltage min. | 9 V  |
| Excitation Voltage max. | 12 V |

## Technical data - Measuring system

|                        |            |
|------------------------|------------|
| Full scale output      | 1 mV/V     |
| combined error         | 0,5%       |
| load cell connection   | 4-guide    |
| measuring applications | Force;mass |

## Technical data - Environmental conditions

|                         |       |
|-------------------------|-------|
| Usage Temperature (min) | 0 °C  |
| Usage temperature (max) | 40 °C |

## Technical data - Packing & Shipping

|                                             |                |
|---------------------------------------------|----------------|
| Dimensions packaging (W×D×H)                | 120×90×85 mm   |
| Gross weight                                | 0.10 kg        |
| Net weight                                  | 0.05 kg        |
| Shipping method                             | Parcel service |
| Packaging component - by weight - cardboard | 33 g           |
| Packaging component - by weight - plastics  | 5 g            |
| Packaging component - by weight - foam      | 10 g           |
| Delivery time                               | 1 d            |

## Technical data - Verification

|                                                |     |
|------------------------------------------------|-----|
| Verification approval conforming to 2014/31/EU | Yes |
|------------------------------------------------|-----|

## Functions

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## Standard



## Option

