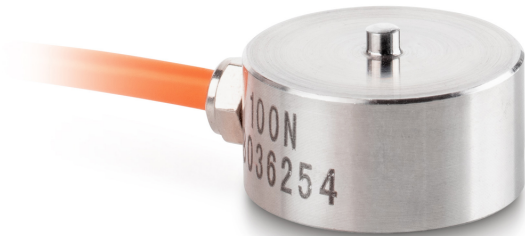


# KERN CO 100-Y1

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]	100 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 $\Omega$
Load cell - Output resistance - nominal	350 $\Omega$
Load cell - Isolation resistance - [Min]	5000 M $\Omega$
Load cell - Recommended excitation voltage [Min]	9 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Input resistance - variance	20 $\Omega$
Load cell - Output resistance - variance	3 $\Omega$
Measuring range force [Max] (N)	1 kN
Directions of force	compression

## Approval

CE mark	✓
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## Construction

Design	Load cell
Material	stainless steel
Cable length	2 m
Dimension ( $\varnothing \times H$ )	20 $\times$ 12 mm
Mounting - force application	Thrust piece (from customer side)
Mounting - force dissipation	3 $\times$ threaded hole M3

## Functions

IP protection - complete device	IP65
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## Environmental conditions

Use temperature [Min]	0 $^{\circ}$ C
Use temperature [Max]	40 $^{\circ}$ C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W $\times$ D $\times$ H)	120 $\times$ 90 $\times$ 85 mm
Net weight	0,049 kg
Shipping method	Parcel service
Net weight approx.	0,05 kg
Gross weight approx.	0,10 kg
Shipping weight	0,2 kg

## Services (optional)

Article number for DAkkS calibration (compressive force)	963-262V
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## Pictograms

### STANDARD



### OPTION

