

# KERN CO 1-Y5



Tension and compression force measuring cell made from stainless steel



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CO Y5

## Measuring System

Weighing capacity [Max]	1 kg
Load cell connection	4-wire
Load cell OIML class	G1
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	1 mV/V
Load cell - Combined error	0,1%
Measuring applications	force mass
Load cell - Input resistance - nominal	680 $\Omega$
Load cell - Output resistance - nominal	680 $\Omega$
Load cell - Isolation resistance - [Min]	5000 M $\Omega$
Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V
Load cell - Input resistance - variance	10 $\Omega$
Load cell - Output resistance - variance	10 $\Omega$
Measuring range force [Max] (N)	10 N
Directions of force	tension compression

## Approval

CE mark	✓
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## Construction

Design	round
Material	stainless steel
Cable length	2 m
Mounting - force application	2 × threaded hole M2
Mounting - force dissipation	2 × threaded hole M2

## Functions

IP protection - complete device	IP66
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## Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	60 °C
Ambient temperature [Min]	-20 °C
Ambient temperature [Max]	80 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	150×105×40 mm
Net weight	0,03 kg
Shipping method	Parcel service
Net weight approx.	0,05 kg
Gross weight approx.	0,10 kg
Shipping weight	0,1 kg

## Services (optional)

Article number for DAkkS calibration (tensile force)	963-161V
Article number for DAkkS calibration (compressive force)	963-261V
Article number for DAkkS calibration (tensile force/ compressive force)	963-361V

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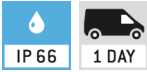


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## Pictograms

### STANDARD

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### OPTION

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