

# KERN CO 0.5-Y5

# KERN

Tension and compression force measuring cell made from stainless steel



## Approval

CE mark ✓

## 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

## 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

## Category

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

## Measuring System

Weighing capacity [Max]	500 g
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 Ω

Load cell - Output resistance - nominal 680 Ω

Load cell - Isolation resistance - [Min] 5000 MΩ

Load cell - Recommended excitation voltage [Min] 10 V

Load cell - Recommended excitation voltage [Max] 15 V

Load cell - Input resistance - variance 10 Ω

Load cell - Output resistance - variance 10 Ω

Measuring range force [Max] (N) 5 N

Directions of force tension compression

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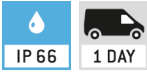


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## Pictograms

### STANDARD

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### OPTION

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