

# KERN CO 5-Y5

# KERN

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]	5 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)	50 N
Directions of force	tension compression

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

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## Pictograms

### STANDARD

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### OPTION

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