

KERN CO 1-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]	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 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)	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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Pictograms

STANDARD



OPTION

