

SAUTER CO 100-Y2

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 Y2

Measuring System

Weighing capacity [Max]	100 kg
Measuring range force [Max] (N)	1 kN
Load cell - characteristic value - nominal	1,5 mV/V
Load cell OIML class	G5
Load cell connection	4-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Measuring applications	force mass
Directions of force	tension compression
Load cell - Input resistance - nominal	350 Ω
Load cell - Input resistance - variance	20 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended excitation voltage [Min]	9 V

Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	5000 M Ω
Load cell - Combined error	0,5%
Temperature coefficient - characteristic value	$\pm 0.05\%$ F.S. / 10 $^{\circ}\text{C}$
Zero balance	$\leq \pm 1.0\%$ FS
Temperature coefficient - zero signal	$\pm 0.05\%$ F.S. / 10 $^{\circ}\text{C}$
Creep error (30 minutes)	$\pm 0.1\%$ FS
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP65
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Construction

Material	steel, stainless
Design	Tension-/compression rod
Dimension ($\varnothing \times H$)	51 $\times$ 70 mm
Cable length	2 m
Mounting - force application	External thread M12
Mounting - force dissipation	External thread M12

Environmental conditions

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

Approval

CE mark	✓
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Services (optional)

Article number for DAkKS calibration (compressive force)	963-262V
Article number for DAkKS calibration (tensile force)	963-162V
Article number for DAkKS calibration (tensile force/ compressive force)	963-362V

Product information

GTIN/EAN number	4045761232952
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
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Delivery time	1 d
Dimensions packaging (W×D×H)	120×90×85 mm
Net weight approx.	0,50 kg
Gross weight approx.	0,50 kg
Shipping weight	0,493 kg

Pictograms

STANDARD



OPTION

