

SAUTER CO 1000-Y2

Miniature cylindrical load cell made from stainless steel

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Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CO Y2

Measuring System

Weighing capacity [Max]	1000 kg
Measuring range force [Max] (N)	10 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	± 0.05 F.S. / 10 $^{\circ}$ C
Zero balance	$\leq \pm 1.0\%$ FS
Temperature coefficient - zero signal	± 0.05 F.S. / 10 $^{\circ}$ 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 $^{\circ}$ C
Use temperature [Max]	40 $^{\circ}$ C

Approval

CE mark	✓
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Services (optional)

Article number for factory calibration (tensile force)	961-164V
Article number for factory calibration (tensile force/ compressive force)	961-364V

Product information

GTIN/EAN number	4045761232976
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d

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Dimensions packaging (W×D×H)	120×90×85 mm
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Net weight approx.	0,50 kg
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Gross weight approx.	0,55 kg
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Shipping weight	0,512 kg
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Pictograms

STANDARD



OPTION

