

SAUTER CO 2000-Y1

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 Y1

Measuring System

Weighing capacity [Max]	2000 kg
Measuring range force [Max] (N)	20 kN
Load cell - characteristic value - nominal	1 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	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%
Zero balance	$\pm 1 \sim 1.5 \text{ mV/V}$
Temperature coefficient - zero signal	$\pm 0.05\% \text{ F.S.} / 10^\circ \text{C}$
Creep error (30 minutes)	$\pm 0.05\% \text{ FS}$
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP65
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Construction

Material	steel, stainless
Design	Load cell
Dimension ($\varnothing \times H$)	30 $\times$ 18 mm
Cable length	2 m
Mounting - force application	Thrust piece (from customer side)
Mounting - force dissipation	3 $\times$ threaded hole M4

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 factory calibration (compressive force)	961-264V
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Product information

GTIN/EAN number	4045761233027
REACH classification	no prohibited substances

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W $\times$ D $\times$ H)	120 $\times$ 90 $\times$ 85 mm
Net weight approx.	0,10 kg
Gross weight approx.	0,15 kg
Shipping weight	0,2 kg

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Pictograms

STANDARD



OPTION

