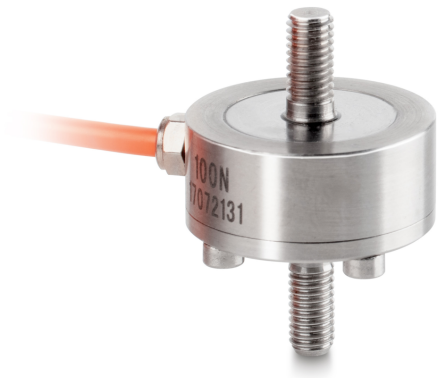
SAUTER **CO 100-Y2**

Miniature cylindrical load cell made from stainless steel



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 sell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	20 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended exitation voltage [Min]	9 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,5%
Temperature coefficient - characteristic value	± 0.05% F.S. /10 °C
Zero balance	≤± 1.0%FS
Temperature coefficient - zero signal	± 0.05% F.S. /10 °C
Creep error (30 minutes)	+- 0.1%FS
Safe overload	150%
Ultimate overload	200%

Functions

IP protection - complete device	IP65

Construction

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

Environmental conditions

Use temperature [Min]	0 °C
Use temperature [Max]	40 °C

Approval

CE mark	✓

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
Trade number	90249000
REACH classification	no prohibited substances

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Packing & Shipping

Shipping method	Parcel service
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 volume weight	0,2 kg

Pictograms

STANDARD

IP 65 | 1 DAY

OPTION

ISO | DAkkS