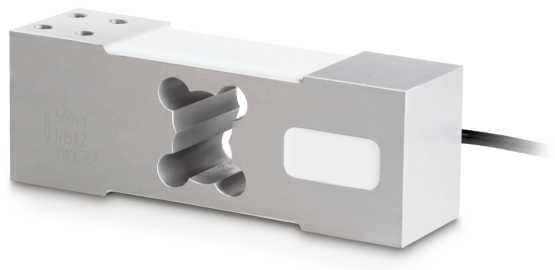
SAUTER **CP 100-3P8**

Single-point load cell made of aluminium



Date of creation: 27.07.2026

Category	
Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CP P8

Measuring System	
Weighing capacity [Max]	100 kg
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,2 mV/V
Load cell OIML class	C3
Load cell connection	6-wire
Power supply + Colour	red
Power supply - Colour	black
Signal + Colour	green
Signal - Colour	white
Sense + Colour	blue
Sense - Colour	yellow
Load cell - Resolution (verifiable)	3000 e
Measuring applications	mass
Directions of force	compression
Load cell - Y-value	10000
Load sell - Input resistance - nominal	409 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	6 Ω
Load cell - Output resistance - variance	3 Ω
Load cell - Recommended exitation voltage [Min]	5 V
Load cell - Recommended exitation voltage [Max]	12 V
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Combined error	0,02%
Temperature coefficient - characteristic value	≤± 0.020%FS/10 °C
Zero balance	≤± 2.0%FS
Temperature coefficient - zero signal	≤± 0.0175 %FS/10 °C
Creep error (30 minutes)	≤± 0.0167%FS
Safe overload	120%
Ultimate overload	150%

Functions	
IP protection - complete device	IP65

Construction	
Material	aluminium
Design	Singlepoint load cell
Maximum platform size	600×600 mm
Cable length	3 m
Mounting - force application	4 × threaded hole M8
Mounting - force dissipation	4 × threaded hole M8

Environmental conditions	
Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C

Approval	
CE mark	✓

Product information	
Warranty Time	24 mon
Trade number	84239010
GTIN/EAN number	4045761251779

Packing & Shipping	
Shipping method	Parcel service
Delivery time	1 d
Dimensions packaging (W×D×H)	180×110×75 mm

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Net weight approx.	1,8 kg
Gross weight approx.	1,8 kg
Shipping volume weight	0,3 kg

Pictograms

STANDARD