SAUTER **CP 100-3P7**

Single-Point load cell made of stainless steel

Date of creation: 10.08.2026

Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CP P7

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	brown
Load cell - Resolution (verifiable)	3000 e
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Directions of force	compression
Load cell - Y-value	10000
Load sell - Input resistance - nominal	384 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Input resistance - variance	4 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	0,023%
Temperature coefficient - characteristic value	± 0.011% F.S. / 10 °C
Zero balance	≤± 1.5%FS
Temperature coefficient - zero signal	± 0.015% F.S. / 10 °C
Creep error (30 minutes)	≤± 0.016%FS
Safe overload	150%
Ultimate overload	300%

Functions

IP protection - complete device	IP67

Construction

Material	stainless steel
Design	Singlepoint load cell
Dimension (W×D×H)	150×25,4×40 mm
Maximum platform size	400×400 mm
Cable length	1 m
Mounting - force application	2 × threaded hole M6
Mounting - force dissipation	2 × threaded hole M6

Environmental conditions

Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Storage temperature [Min]	-40 °C
Storage temperature [Max]	70 °C

Approval

CE mark	✓

Product information

Warranty Time	24 mon
Trade number	84239010
GTIN/EAN number	4045761254084

Packing & Shipping

Shipping method	Parcel service
Delivery time	1 d

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Dimensions packaging (W×D×H)	235×115×45 mm
Net weight approx.	1,00 kg
Gross weight approx.	1,2 kg
Shipping volume weight	0,2 kg

Pictograms

STANDARD

OPTION