

KERN CR 1000-3P1

Force measuring cell made of stainless steel

KERN



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CR P1

Measuring System

Weighing capacity [Max]	1000 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	2 mV/V
Load cell - characteristic value - variance	0,01 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,023%
Load cell - Dead load [Min] (%)	0%
Measuring applications	force mass
Load cell - Input resistance - nominal	1260 Ω
Load cell - Output resistance - nominal	1020 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	10 V
Load cell - Recommended excitation voltage [Max]	15 V
Load cell - Input resistance - variance	100 Ω
Load cell - Output resistance - variance	0,5 Ω
Measuring range force [Max] (N)	10 kN
Directions of force	compression

Approval

CE mark	✓
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Construction

Design	Bending ring
Material	stainless steel
Cable length	3 m
Mounting - force application	Pressure piece CE P244012 or load corner CE P244011
Mounting - force dissipation	3 × threaded hole M6

Functions

IP protection - complete device	IP68
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Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-50 °C
Ambient temperature [Max]	70 °C

Packing & Shipping

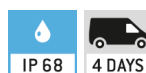
Readability force [d] (N)	4 d
Dimensions packaging (W×D×H)	220×220×80 mm
Net weight	0,744 kg
Shipping method	Parcel service
Net weight approx.	0,75 kg
Gross weight approx.	1,2 kg
Shipping weight	1,075 kg

Services (optional)

Article number for factory calibration (compressive force)	961-264V
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Pictograms

STANDARD



OPTION

