

# KERN CD 10-3P1

# KERN

Loadcell made of stainless steel



Load cell - Output resistance - variance	4 $\Omega$
Measuring range force [Max] (N)	100 kN
Directions of force	compression

Approval	
CE mark	✓

Construction	
Design	Load cell
Material	stainless steel
Cable length	15 m
Dimension ( $\varnothing \times H$ )	88,9 $\times$ 118,5 mm
Mounting - force application	Pressure piece
Mounting - force dissipation	Pressure piece

Functions	
IP protection - complete device	IP68

Environmental conditions	
Use temperature [Min]	-10 $^{\circ}$ C
Use temperature [Max]	40 $^{\circ}$ C
Ambient temperature [Min]	-35 $^{\circ}$ C
Ambient temperature [Max]	65 $^{\circ}$ C
Storage temperature [Min]	-40 $^{\circ}$ C
Storage temperature [Max]	70 $^{\circ}$ C

Packing & Shipping	
Readability force [d] (N)	2 d
Dimensions packaging (WxDxH)	220 $\times$ 220 $\times$ 160 mm
Net weight	2,2 kg
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	2,8 kg
Shipping weight	2,7 kg

Services (optional)	
Article number for factory calibration (compressive force)	961-266V

## Category

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

## Measuring System

Weighing capacity [Max]	10000 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	0,002 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	700 $\Omega$
Load cell - Output resistance - nominal	703 $\Omega$
Load cell - Isolation resistance - [Min]	5000 M $\Omega$
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Input resistance - variance	7 $\Omega$

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## Pictograms

### STANDARD

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### OPTION

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