

KERN CD 10-3P1

KERN

Loadcell made of stainless steel



Load cell - Input resistance - variance 7 Ω

Load cell - Output resistance - variance 4 Ω

Construction

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

Functions

IP protection - complete device IP68

Environmental conditions

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

Approval

CE mark

Services (optional)

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

Packing & Shipping

Delivery time	2 d
Dimensions packaging (W \times D \times H)	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

Category

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

Measuring System

Weighing capacity [Max]	10000 kg
Measuring range force [Max] (N)	100 kN
Directions of force	compression
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 Ω
Load cell - Output resistance - nominal	703 Ω
Load cell - Isolation resistance - [Min]	5000 M Ω
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V

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Pictograms

STANDARD



OPTION

