

KERN CR 10000-1Q1

KERN

Loadcell made of stainless steel



Measuring range force [Max] (N)	100 kN
Directions of force	compression

Approval

CE mark	✓
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Construction

Design	Bending ring
Material	stainless steel
Cable length	10 m
Dimension (Ø×H)	82×44 mm

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)	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight	1,1 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,4 kg
Shipping weight	1,212 kg

Services (optional)

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

STANDARD



OPTION



Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CR Q1

Measuring System

Weighing capacity [Max]	10000 kg
Load cell connection	4-wire
Load cell OIML class	C1
Load cell - Resolution (verifiable)	1000e
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	0,05%
Load cell - Dead load [Min] (%)	0%
Measuring applications	force mass
Load cell - Input resistance - nominal	800 Ω
Load cell - Output resistance - nominal	700 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	30 Ω
Load cell - Output resistance - variance	5 Ω