

# KERN CR 5000-1Q1

Force measuring cell made of stainless steel

# KERN



Measuring range force [Max] (N)	50 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

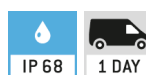
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight	1,1 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,2 kg
Shipping weight	1,151 kg

## Services (optional)

Article number for factory calibration (compressive force)	961-265V
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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]	5000 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