

# KERN CD 30-2P2

# KERN

Loadcell made of stainless steel



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CD P2

## Measuring System

Weighing capacity [Max]	30000 kg
Load cell connection	4-wire
Load cell OIML class	C2
Load cell - Resolution (verifiable)	2000 e
Load cell - characteristic value - nominal	1,5 mV/V
Load cell - characteristic value - variance	0,002 mV/V
Load cell - Y-value	5000
Load cell - Combined error	0,03%
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 $\Omega$

Load cell - Output resistance - variance	4 $\Omega$
Measuring range force [Max] (N)	300 kN
Directions of force	tension compression

## Approval

CE mark	✓
---------	---

## Construction

Design	Tension-/compression rod
Material	stainless steel
Cable length	20 m
Mounting - force application	External thread M42 $\times$ 3
Mounting - force dissipation	External thread M42 $\times$ 3

## 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)	36 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

## Pictograms

### STANDARD



### OPTION

