

# KERN CR 500-3P1

Force measuring cell made of stainless steel

# KERN



## Approval

CE mark ✓

## Construction

Design	Bending ring
Material	stainless steel
Cable length	3 m
Mounting - force application	Pressure piece CE P244012 or load corner CE P244011
Mounting - force dissipation	3 × threaded hole M6

## Functions

IP protection - complete device IP68

## Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-50 °C
Ambient temperature [Max]	70 °C

## Packing & Shipping

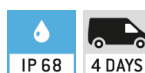
Readability force [d] (N)	4 d
Dimensions packaging (W×D×H)	220×180×60 mm
Net weight	0,799 kg
Shipping method	Parcel service
Net weight approx.	0,80 kg
Gross weight approx.	1,00 kg
Shipping weight	0,971 kg

## Services (optional)

Article number for DAkkS calibration (compressive force) 963-263V

## Pictograms

### STANDARD



### OPTION



## Category

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

## Measuring System

Weighing capacity [Max]	500 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	0,01 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	1260 Ω
Load cell - Output resistance - nominal	1020 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	100 Ω
Load cell - Output resistance - variance	0,5 Ω
Measuring range force [Max] (N)	5 kN
Directions of force	compression