

KERN CR 30000-1Q1

Force measuring cell made of stainless steel

KERN



Measuring range force [Max] (N)	300 kN
Directions of force	compression

Approval

CE mark	✓
---------	---

Construction

Design	Bending ring
Material	stainless steel
Cable length	10 m
Dimension (Ø×H)	126×54 mm

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)	1 d
Dimensions packaging (W×D×H)	220×135×100 mm
Net weight	2,8 kg
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,2 kg
Shipping weight	3,07 kg

Pictograms

STANDARD



Category	
Brand	Sauter
Product category	Measuring cell
Product group	Load/force measuring cell
Product family	CR Q1
Measuring System	
Weighing capacity [Max]	30000 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