

KERN CT 5000-3P1

KERN

Shear beam made from stainless steel



Construction

Design	Shear beam measuring cell
Dimension (W×D×H)	171,5×40×38,1 mm
Material	steel, nickel-plated
Cable length	6 m
Mounting - force application	Threaded hole M18 × 1,5
Mounting - force dissipation	2 × through hole Ø 19,8 mm

Functions

IP protection - complete device	IP67
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Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-35 °C
Ambient temperature [Max]	65 °C
Storage temperature [Min]	-40 °C
Storage temperature [Max]	80 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	300×115×50 mm
Net weight	1,741 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,0 kg
Shipping weight	1,826 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 cell
Product family	CT P1

Measuring System

Weighing capacity [Max]	5000 kg
Load cell connection	4-wire
Load cell OIML class	C3
Load cell - Resolution (verifiable)	3000 e
Load cell - characteristic value - nominal	3 mV/V
Load cell - characteristic value - variance	0,003 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,023%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	350 Ω
Load cell - Output resistance - nominal	350 Ω
Load cell - Isolation resistance - [Min]	5000 MΩ
Load cell - Recommended excitation voltage [Min]	5 V
Load cell - Recommended excitation voltage [Max]	12 V
Load cell - Input resistance - variance	3,5 Ω
Load cell - Output resistance - variance	3,5 Ω
Directions of force	compression

Approval

CE mark	✓
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