

# KERN CT 2500-3P1

**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)	305×110×45 mm
Net weight	1,7 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	1,8 kg
Shipping weight	1,8 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]	2500 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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