

# KERN CT 500-3Q1

Shear beam made from stainless steel

# KERN



## Construction

Design	Shear beam measuring cell
Dimension (W×D×H)	130×31,5×31,5 mm
Material	stainless steel
Cable length	5 m
Mounting - force application	Threaded hole M12
Mounting - force dissipation	2 × through hole Ø 13,5 mm

## Functions

IP protection - complete device	IP68 IP69K
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## Environmental conditions

Use temperature [Min]	-10 °C
Use temperature [Max]	40 °C
Ambient temperature [Min]	-30 °C
Ambient temperature [Max]	70 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	250×155×60 mm
Net weight	1 kg
Shipping method	Parcel service
Net weight approx.	1,00 kg
Gross weight approx.	1,2 kg
Shipping weight	1,095 kg

## Services (optional)

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

### STANDARD



### OPTION



## Category

Brand	Sauter
Product category	Measuring cell
Product group	Load cell
Product family	CT Q1

## Measuring System

Weighing capacity [Max]	500 kg
Load cell connection	6-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	0,001 mV/V
Load cell - Y-value	10000
Load cell - Combined error	0,017%
Load cell - Dead load [Min] (%)	0%
Measuring applications	mass
Load cell - Input resistance - nominal	400 Ω
Load cell - Output resistance - nominal	350 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	20 Ω
Load cell - Output resistance - variance	3 Ω
Directions of force	compression

## Approval

CE mark	✓
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