

KERN CT 500-3P1

Shear beam made from stainless steel

KERN



Pattern approval for conformity assessment ✓

Construction	
Design	Shear beam measuring cell
Dimension (W×D×H)	130×34×31,8 mm
Material	steel, nickel-plated
Cable length	4 m
Mounting - force application	Threaded hole M12
Mounting - force dissipation	2 × through hole Ø 13,5 mm

Functions	
IP protection - complete device	IP67

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)	225×115×45 mm
Net weight	0,908 kg
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,00 kg
Shipping weight	0,97 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 cell
Product family	CT 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	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	✓