

KERN TVS 10KN100-LD



Practical set for force-displacement-measurements in laboratory and industry



Category

Brand	Sauter
Product category	Test bench
Product group	Test stand set
Product family	TVS-LD

Measuring System

Length measuring device	Length measuring device with data interface
Measurable length [Max]	21 cm
Tolerance (measured length)	0,5%

Approval

CE mark	✓
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Display

Display type	LED segments
Display type	7 segment LED
Display digit height - smallest digit	9 mm

Construction

Dimension (W×D×H)	250×400×1550 mm
Dimensions completely mounted (W×D×H)	400×250×1550 mm
Material display housing	metal, lacquered
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Generated force [Max]	10 kN
Mounting - force application	Threaded hole - 1 × M12, 4 × M6
Mounting - force dissipation	Threaded hole M12 4 × threaded hole M6
Type of drive	Stepper motor

Guide column(s) length	113,5 cm
Guide column(s) distance	215 mm
Traverse distance [Max]	210 mm
Transversal movement speed [Min]	1 mm/min
Transversal movement speed [Max]	200 mm/min
Transversal movement speed variation	1%

Functions

Speed display	✓
Repeat function	✓
Pre-added and pre-reduced length manually adjustable	✓
Length measuring - zero setting	✓
Limit switch	✓

Power Supply

Input voltage power supply / power [Max]	230 V AC, 50 Hz
Input voltage device / power [Max]	~220 V - 240 V AC; 50 Hz
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - optional	UK CH

Environmental conditions

Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	2 d
Dimensions packaging (W×D×H)	520×345×1610 mm
Net weight	64 kg
Shipping method	Freight
Net weight approx.	65 kg
Gross weight approx.	105 kg
Shipping weight	102 kg

Pictograms

STANDARD

