

KERN TVS 20KN100-LD

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



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

Functions

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

Power Supply

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

Environmental conditions

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

Approval

CE mark	✓
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Packing & Shipping

Delivery time	2 d
Dimensions packaging (W×D×H)	600×410×1780 mm
Net weight	146 kg
Shipping method	Freight
Net weight approx.	150 kg
Gross weight approx.	170 kg
Shipping weight	167 kg

Pictograms

STANDARD



Category

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

Measuring System

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

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 housing	metal, lacquered
Material display housing	metal, lacquered
Type of drive	Stepper motor
Mounting - force dissipation	Threaded hole M12 4 × threaded hole M10
Mounting - force application	Threaded hole - 1 × M12, 4 × M10
Generated force [Max]	20 kN
Transversal movement speed [Min]	1 mm/min
Transversal movement speed [Max]	70 mm/min