SAUTER **TVS 20KN100-LD**

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

Date of creation: 03.10.2026

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]	100 mm/min
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	✓
Pre-added and pre-reduced length manually adjustable	✓
Length measuring - zero setting	✓
Limit switch	✓

Power Supply

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
Power supply cable removable	fixed connection
Input voltage device / power [Max]	~220 V - 240 V AC; 50 Hz
Power socket for mains adapter	Power supply cable

Environmental conditions

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

Packing & Shipping

Delivery time	2 d
Dimensions packaging (W×D×H)	600×410×1780 mm
Shipping method	Freight
Net weight approx.	150 kg
Gross weight approx.	170 kg
Shipping weight	167 kg
Shipping volume weight	87,6 kg

Product information

GTIN/EAN number	4045761343634
Trade number	90249000
Warranty Time	36 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD