SAUTER **TVS 50KN80-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)	255×480×1670 mm
Dimensions completely mounted (W×D×H)	480×255×1670 mm
Material housing	metal, lacquered
Material display housing	metal, lacquered
Type of drive	Stepper motor
Mounting - force dissipation	Threaded hole – 1 × M18, 4 × M10
Mounting - force application	Threaded hole – 1 × M18, 4 × M10
Generated force [Max]	50 kN
Transversal movement speed [Min]	1 mm/min
Transversal movement speed [Max]	80 mm/min
Transversal movement speed variation	1%
Guide column(s) distance	295 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)	600×410×1790 mm
Shipping method	Freight
Net weight approx.	150 kg
Gross weight approx.	175 kg
Shipping weight	171 kg
Shipping volume weight	88,1 kg

Product information

GTIN/EAN number	4045761343764
Trade number	90249000
Warranty Time	36 mon
REACH classification	no prohibited substances

SAUTER **TVS 50KN80-LD**

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

Pictograms

STANDARD