

PRODUCT BROCHURE

SAUTER TVL-O

Date: 29.04.2025

ENGLISH



Manual test stand for highly accurate tensile and compressive force measurements

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

DESCRIPTION

- For vertical and horizontal use
- Precise measurement results
- High level of security at repeated measurements
- Large base plate with high versatility of fastening objects
- Suitable for all SAUTER force measuring devices with internal measuring cell up to 1000 N (not included in delivery)
- As an option, the SAUTER LB length measuring device (with interface) can be fitted, see accessories

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	TVL-O
Model-Serie	TVL
Assortment	Sauter
Product Type	Force measurement
Product group	Test stands (mechanic)
Product usage type	Main item;Accessories/Services
EAN code (Model)	404576 1476677
Customs tariff number	90249000

Technical data - Primary

Max. Travel distance	230 mm
----------------------	--------

Technical data - Construction

Dimension housing (W×D×H)	151×234×465 mm
Mounting threads	2x threaded hole M6

Technical data - Environmental conditions

Maximum storage temperature	40 °C
Minimum storage temperature	-10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	570×275×240 mm
Gross weight	10 kg
Net weight	9 kg
Shipping method	Parcel service
UN number	No dangerous goods
Packaging component - by weight - cardboard	535 g
Packaging component - by weight - plastics	45 g
Packaging component - by weight - styrofoam	210 g
Delivery time	1 d

FUNCTIONS

Standard



ACCESSORIES

Model	Description
FK 10	Digital Force Gauge SAUTER FK 10
FK 25	Digital Force Gauge SAUTER FK 25
FK 50	Digital Force Gauge SAUTER FK 50
FK 100	Digital Force Gauge SAUTER FK 100
FK 250	Digital Force Gauge SAUTER FK 250
FK 500	Digital Force Gauge SAUTER FK 500
FK 1K	Digital Force Gauge SAUTER FK 1K
AC 01	Screw Tension Clamp SAUTER AC 01
AC 12	Clamp SAUTER AC 12
AC 14	Screw Tension Clamp SAUTER AC 14
AC 22	Fine point clamp SAUTER AC 22
AC 17	Long clamp SAUTER AC 17
LB 200-2	Digital Length Measuring Device SAUTER LB 200-2
FL 20	Digital Force Gauge SAUTER FL 20
FL 50	Digital Force Gauge SAUTER FL 50
FL 5	Digital Force Gauge SAUTER FL 5
FL 10	Digital Force Gauge SAUTER FL 10
FL 100	Digital Force Gauge SAUTER FL 100
FL 200	Digital Force Gauge SAUTER FL 200
FL 500	Digital Force Gauge SAUTER FL 500
FC 10	Digital force gauge SAUTER FC 10
FC 50	Digital force gauge SAUTER FC 50
FC 100	Digital force gauge SAUTER FC 100

Model	Description
FC 500	Digital force gauge SAUTER FC 500
FC 1K	Digital force gauge SAUTER FC 1K
AC 01R	Screw Tension Clamp SAUTER AC 01R
AC 11R	Clamp SAUTER AC 11R
AC 12R	Clamp SAUTER AC 12R
AC 14R	Screw Tension Clamp SAUTER AC 14R
AC 17R	Long clamp SAUTER AC 17R
AC 22R	Fine point clamp SAUTER AC 22R
TVL-XL	Extension kit for SAUTER TVL SAUTER TVL-XL
AFM 03	Sleeve SAUTER AFM 03
AFM 08	Thread SAUTER AFM 08
AFM 13	Sleeve SAUTER AFM 13
AFM 14	Adapter KERN AFM 14
AFM 20	Thread SAUTER AFM 20
FS 2-20	Digital Force Gauge SAUTER FS 2-20
FS 4-20	Digital Force Gauge SAUTER FS 4-20
FS 2-50	Digital Force Gauge SAUTER FS 2-50
FS 4-50	Digital Force Gauge SAUTER FS 4-50
FS 2-100	Digital Force Gauge SAUTER FS 2-100
FS 4-100	Digital Force Gauge SAUTER FS 4-100
FS 2-200	Digital Force Gauge SAUTER FS 2-200
FS 4-200	Digital Force Gauge SAUTER FS 4-200
FS 2-500	Digital Force Gauge SAUTER FS 2-500
FS 4-500	Digital Force Gauge SAUTER FS 4-500
AE 01	Standard Clamp AE 01
AE 02	Standard Clamp AE 02
AE 03	Clamp SAUTER AE 03
AE 04	Clamp SAUTER AE 04
AE 05	Rope and thread tension clamp SAUTER AE 05
AE 06	Clamp SAUTER AE 06
AE 07	Wedge Clamp with jaws AE 07

Model	Description
LB-TVL	Accessories SAUTER LB-TVL
AC 45	Force sensor SAUTER AC 45
AC 46	Force sensor SAUTER AC 46
AC 47	Force sensor SAUTER AC 47
AE 08	Pressure plate SAUTER AE 08
FH 10	Digital Force Gauge SAUTER FH 10
FH 100	Digital Force Gauge SAUTER FH 100
FH 2	Digital Force Gauge SAUTER FH 2
FH 20	Digital Force Gauge SAUTER FH 20
FH 200	Digital Force Gauge SAUTER FH 200
FH 5	Digital Force Gauge SAUTER FH 5
FH 50	Digital Force Gauge SAUTER FH 50
FH 500	Digital Force Gauge SAUTER FH 500

SERVICES

Model	Description
LB-A02	Service KERN LB-A02
970-014	Warranty extension KERN (+3 years) 970-014

RELATED ARTICLES DATA

Model name	Max. Force	Max. Travel distance
TVL	-	230 mm
TVL-O	-	230 mm
TVL-E	-	290 mm
TVL-XLS	500 N	230 mm
TVL 500FHS71	500 N	230 mm