

## Manual shore test stand SAUTER TI



## Lever operated test stand for hardness testing with base plate made of glass

## Features

- For Shore hardness testing of plastics, leather etc.
  - **1 Glass plate:** high measurement accuracy by means of superior hardness of the glass plate
  - **2 Mechanical construction:** Robust design for precise measuring
  - **3 Level adjustment:** For the precise levelling of the base plate, e.g. for the correction of inhomogeneous test objects
  - **4 Test stand TI-DL,** with exchangeable longer column for use with digital hardness tester HD
  - Hardness tester not included in delivery
- Operation:
    1. The SAUTER hardness testing device HB or HD is fitted in a suspended position
    2. The test object is placed on the round testing table right under the durometer measuring tip
    3. By pressing the lever down, the test weight will be released, and this then presses the measuring tip into the test object with its own weight (see table)
  - The accuracy of the displayed result is approx. 25 % higher than in a manual operated test

## Technical data



































- Stroke length: 15 mm
- Maximum test object height: 63 mm
- Base plate  $\varnothing$  75 mm
- Overall dimensions WxDxH
  - TI-AC: 150x110x330 mm
  - TI-D: 150x110x400 mm
  - TI-ACL: 150x110x380 mm
  - TI-DL: 150x110x450 mm

STANDARD



Model	Suitable for	Length of column	Poids de contrôle	Net weight approx.	
SAUTER		mm	kg	kg	
TI-AC.	HBA, HB0	245	1	4,5	
TI-D.	HBD	245	5	8,5	
TI-ACL	HDA, HD0	300	1	4,5	
TI-DL	HDD	300	5	8,5	

## Pictograms

 <b>Adjusting program (CAL):</b> For quick setting of the instrument's accuracy. External adjusting weight required.	 <b>Control outputs (optocoupler, digital I/O):</b> to connect relays, signal lamps, valves, etc.	 <b>ZERO:</b> Resets the display to "0".
 <b>Calibration block:</b> standard for adjusting or correcting the measuring device.	 <b>Analogue interface:</b> to connect a suitable peripheral device for analogue processing of the measurements	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Peak hold function:</b> capturing a peak value within a measuring process.	 <b>Statistics:</b> using the saved values, the device calculates statistical data, such as average value, standard deviation etc.	 <b>Rechargeable battery pack:</b> rechargeable set.
 <b>Scan mode:</b> continuous capture and display of measurements.	 <b>PC Software:</b> to transfer the measurement data from the device to a PC.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 <b>Push and Pull:</b> the measuring device can capture tension and compression forces.	 <b>Printer:</b> a printer can be connected to the device to print out the measurement data.	 <b>Power supply:</b> Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.
 <b>Length measurement:</b> captures the geometric dimensions of a test object or the movement during a test process.	 <b>Network interface:</b> For connecting the scale to an Ethernet network.	 <b>Motorised drive:</b> The mechanical movement is carried out by a electric motor.
 <b>Focus function:</b> increases the measuring accuracy of a device within a defined measuring range.	 <b>KERN Communication Protocol (KCP):</b> It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems.	 <b>Motorised drive:</b> The mechanical movement is carried out by a synchronous motor (stepper).
 <b>Internal memory:</b> to save measurements in the device memory.		 <b>Fast-Move:</b> the total length of travel can be covered by a single lever movement.
 <b>Data interface RS-232:</b> bidirectional, for connection of printer and PC.	 <b>GLP/ISO record keeping:</b> of measurement data with date, time and serial number. Only with SAUTER printers	 <b>DAkkS calibration possible:</b> The time required for DAkkS calibration is shown in days in the pictogram.
 <b>Data interface USB:</b> To connect the measuring instrument to a printer, PC or other peripheral devices.	 <b>Measuring units:</b> Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.	 <b>Factory calibration:</b> The time required for factory calibration is specified in the pictogram.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Measuring with tolerance range (limit-setting function):</b> Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>Data interface Infrared:</b> To transfer data from the measuring instrument to a printer, PC or other peripheral devices.		 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.

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