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Test stand for hardness testing Shore A and D

Features

- High-quality test stand for Shore hardness testing of plastics in industry and the laboratory
- 1 One test stand for two hardness scales: You just need to screw the additional weight TI-HE onto the TI-HEA test bench, so that this can then also be used for Shore D hardness testing, see internet
- 2 Level adjustment: For the precise levelling of the steel base plate, e.g. for the correction of inhomogeneous test objects
- Robust design enables accurate measuring movements
- 3 Simple handling means that you can achieve repeatable measuring results
- Hardness tester is not included with delivery

Technical data

- Maximum stroke length: 20 mm
- Maximum test object height: 50 mm
- Base plate ⌀ 115 mm

STANDARD

1 DAY

Model	Hardness scales	Test force hardness measurement	Overall dimensions	Net weight	Price excl. of VAT ex works
SAUTER		N	W×D×H mm	approx. kg	€
TI-HEA	Shore A	10	200×200×390	6	900,–
TI-HED	Shore D	50	200×200×470	10	990,–

SAUTER Pictograms

External adjustment
Quick setting up of the balance's accuracy with external adjusting weight

Calibration block
Standard for adjusting or correcting the measuring device

Peak hold function
Capturing a peak value within a measuring process

Scan mode
Continuous capture and display of measurements

Push and Pull
The measuring device can capture tension and compression forces

Length measurement
Captures the geometric dimensions of a test object or the movement during a test process

Internal memory
Device memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.

Data interface RS-232
To connect the device to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

Profinet
Enables efficient data exchange between decentralised peripheral devices (balances, measuring cells, measuring instruments etc.) and a control unit (controller).

USB data interface
To connect the measuring instrument to a printer, PC or other peripheral devices

Bluetooth* data interface
To transfer data to a printer, PC or other peripherals

WIFI data interface
To transfer data to a printer, PC or other peripherals

Control outputs (optocoupler, digital I/O)
To connect relays, signal lamps, valves, etc.

Analogue interface
To connect a suitable peripheral device for analogue processing of the measurements

Statistics
Using the saved values, the device calculates statistical data, such as average value, standard deviation etc.

PC Software
To transfer the measurement data from the device to a PC

Printer
A printer can be connected to the device to print out the measurement data

Network interface
For connecting the measuring device to an Ethernet network

KERN Communication Protocol (KCP)
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

Units
Weighing units can be switched to e.g. non-metric. Please refer to website for more details

Mesuring with tolerance range
Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model

Protection against dust and water splashes IPxx
The type of protection is shown in the pictogram

ZERO
Resets the display to "0"

Battery operation
Ready for battery operation. The battery type is specified for each device.

Rechargeable battery pack
Rechargeable set

Integrated power supply unit
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or US on request

Motorised drive
The mechanical movement is carried out by a motor

Conformity assessment
The time required for conformity assessment is 3 working days

Accredited calibration (DKD)
The time required for accredited calibration is 3 working days

Factory calibration (ISO)
The time required for factory calibration is 4 working days

Package shipment
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment
The time required for internal shipping preparations is shown in days in the pictogram