

# Lever test bench for measuring the thickness of layers, in particular of round objects

#### Features

- Suitable for all SAUTER measuring devices for layer thickness with external measuring head, such as for example SAUTER TG 1250-0.1FN. (not included)
- Serves to increase the measuring precision through controlled handling
- In particular with round objects this test stand, with its contoured bracket, offers a more secure base for more accurate measuring results
- Layer thickness measurements are typically carried out to an accuracy level of 1 µm, which is 0.001 mm. When doing this, slight movements or changes in angle when guiding the sensor can cause significant distortion of the measuring result

- These distortions are often unavoidable and can only be compensated for by repeating the operation many times
- The SAUTER lever test stand TJ guarantees reliable measurements because the measuring head is guided properly
- Your advantage: The bracket for the measuring head is fitted with two seperate screws
- Furthermore, for the SAUTER measuring device for layer thickness with external sensors, the spring function for sensor security can be kept in the test stand if adjusted precisely

#### Technical data

- Maximum test object height: 300 mm
- Overall dimensions WxDxH 150x233x420 mm
- Net weight approx. 10,5 kg

#### STANDARD







Model	Maximum carriage height above base plate	
SAUTER	mm	
ТЈ	318	

## **SAUTER Pictograms:**





#### Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



SWITCH

#### Data interface Infrared:

(optocoupler, digital I/O):

To transfer data from the balance to a printer, PC or other peripheral devices.



#### **Battery operation:**

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



#### Rechargeable battery pack:

rechargeable set.



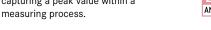
#### Calibration block:

standard for adjusting or correcting the measuring device.



#### Peak hold function:

capturing a peak value within a





#### Analogue interface:

Control outputs

to connect a suitable peripheral device for analogue processing of the measurements.

to connect relays, signal lamps, valves, etc.



ACCU

#### Mains adapter:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available.



#### Scan mode:

Push and Pull:

continuous capture and display of measurements.



#### Statistics:

PC Software:

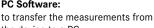
the device to a PC.

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



### Power supply:

Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS



or USA on request.



#### Motorised drive:

The mechanical movement is carried out by a motorised drive.



#### Length measurement:

and compression forces.

captures the geometric dimensions of a test object or the movement during a test process.

the measuring device can capture tension



SOFTWARE

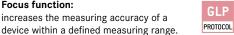
#### Printer:

a printer can be connected to the device to print out the measurements.



#### Fast-Move:

the total length of travel can be covered by a single lever movement.





### GLP/ISO record keeping:

of measurements with date, time and serial number. Only with SAUTER printers.



#### ISO Calibration:

The time required for ISO calibration is shown in days in the pictogram.



FOCUS

#### Internal memory:

Focus function:

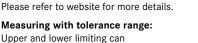
to save measurements in the device memory.



TOL

#### Measuring units:

Weighing units can be switched to e.g. non-metric at the touch of a key.





## in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



1 DAY

## in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.



## Data interface RS-232:

bidirectional, for connection of printer and PC.



## ZERO:

Resets the display to "0".

be programmed individually,

e.g. for sorting and dosing.



#### Data interface USB:

To connect the balance to a printer, PC or other peripheral devices.

## Your SAUTER specialist dealer: