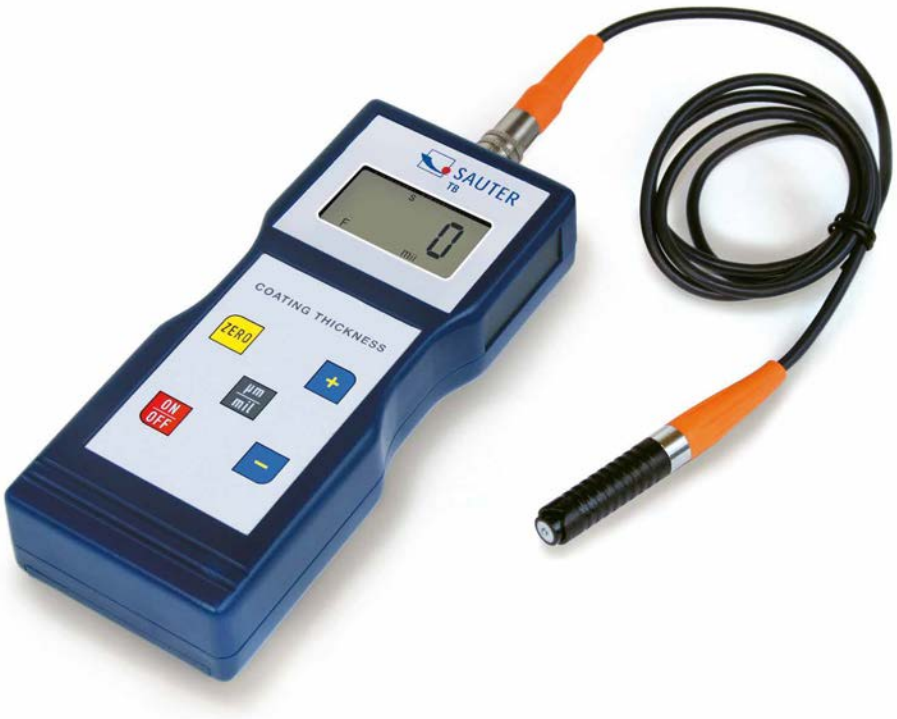


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4

Your reliable worktool for every day: light, easy, precise

Features

- **External sensor** for difficult-to-access measuring points
- **Base plate and calibration foils** included
- 1 **Delivered in a robust carrying case**
- **Offset-Accur:** This function allows you to adjust the instrument precisely on the locally measured range by a two-point calibration. This results in a superior accuracy of approx. 1 % of the measured value
- **Selectable measuring units:** mm, µm, mil
- **Auto-Power-Off**
- SAUTER TB 2000-0.1F: Specifically designed for the automobile industry, Precision: Standard 5 % of measured value

Technical data

- Precision:
  - Standard: 3 % of measured value
  - Offset-Accur: 1 % of measured value
- Minimal measuring area: 6 mm
- Smallest sample surface (radius)
  Type F:
  Convex: 1,5 mm
  Concave: 25 mm
  Type N:
  Convex: 3 mm
  Concave: 50 mm
- Minimal base thickness: 0,3 mm
- Dimensions W×D×H 69×32×161 mm
- Battery operation, batteries standard 4× 1.5V AA
- Net weight approx. 0,26 kg

Accessories

- 2 **Calibration foils** for increased measuring accuracy (covers the range from 20 up to 2000 µm, with < 3 % tolerance), sim. to illustration, SAUTER ATB-US07
- 3 **External sensor,** Type F, SAUTER ATE 01
- 4 **External sensor,** Type N, SAUTER ATE 02

STANDARD

OPTION

Model SAUTER	Measuring range [Max] µm	Readout [d] µm	Test object		Option Factory calibration certificates KERN	
TB 1000-0.1F.	100 | 1000	0,1 | 1	Non-magnetic coatings on iron, steel (F)		961-110	
TB 2000-0.1F.	100 | 2000	0,1 | 1	Non-magnetic coatings on iron, steel (F)		961-110	
TB 1000-0.1N.	100 | 1000	0,1 | 1	Insulating coatings on non-magnetic metals (N)		961-110	
TB 1000-0.1FN.	100 | 1000	0,1 | 1	Combination instrument: F/N		961-112	

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SAUTER Pictograms:

Adjusting program (CAL):
For quick setting of the balance's accuracy. External adjusting weight required.

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.

Focus function:
increases the measuring accuracy of a device within a defined measuring range.

Internal memory:
to save measurements in the device memory.

Data interface RS-232:
bidirectional, for connection of printer and PC.

Data interface USB:
To connect the balance to a printer, PC or other peripheral devices.

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

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 measurements from the device to a PC.

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

GLP/ISO record keeping:
of measurements with date, time and serial number. Only with SAUTER printers.

Measuring units:
Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.

Measuring with tolerance range (limit-setting function):
Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model

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.

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

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 electric motor.

Motorised drive:
The mechanical movement is carried out by a synchronous motor (stepper).

Fast-Move:
the total length of travel can be covered by a single lever movement.

DAkkS calibration possible:
The time required for DAkkS calibration is shown in days in the pictogram.

Factory calibration:
The time required for factory calibration is specified in the pictogram.

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.

Your SAUTER specialist dealer: