

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

Features

- External sensor for difficult-to-access measuring points
- $\boldsymbol{\cdot}$ Base plate and calibration foils included
- Delivered in a hard 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
- SAUTER TB 2000-0.1F: Specifically designed for the automobile industry, Precision: Standard 5 % of measured value
- Selectable measuring units: mm, $\mu\text{m},$ mil
- Auto-Power-Off

Technical data

- Precision:
- Standard: 3 % of measured value
- Offset-Accur: 1 % of measured value
- Minimal measuring area: 6 mm
- Smallest sample surface (radius) F:

Convex: 1,5 mm Concave: 25 mm

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

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



Model	Measuring range	Readout	Test object	Option Factory calibration certificates
SAUTER	[Max] µm	[d] µm		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

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.

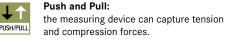


Peak hold function: capturing a peak value within a measuring process.



of measurements.

Scan mode:



continuous capture and display



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.

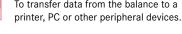


Data interface USB: To connect the balance to a printer,



Data interface Infrared: To transfer data from the balance to a

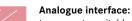
PC or other peripheral devices.





Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



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



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.



a printer can be connected to the PRINT 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 UNIT e.g. non-metric at the touch of a key. Please refer to website for more details.

> Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



7FRO.

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TOL

Resets the display to "0".



Battery operation: Ready for battery operation. The battery type is specified

for each device. Rechargeable battery pack: rechargeable set.

ACCU



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:



by a electric motor.



Motorised drive:

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

The mechanical movement is carried out



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.



VARRANTY

Warrantv:

The warranty period is shown in the pictogram.

Your SAUTER specialist dealer:



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