# Digital coating thickness gauge SAUTER TE







# Ergonomic design and external sensor for highest ease of use

## Features

- External sensor for difficult-to-access measurements
- Data interface RS-232, included
- Base plate and calibration foils included
- 11 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
- Selectable measuring units: µm, mil
- Auto-Power-Off

### Technical data

- Precision:
- Standard: 3 % of measured value or  $\pm$  2,5  $\mu m$
- Offset-Accur: 1 % of measured value or  $\pm$  1  $\mu m$
- Minimal base thickness: 0,3 mm
- Dimensions WxDxH 65x28x131 mm
- Battery operation, batteries standard 4 x 1.5 V AAA
- Net weight approx. 81 g

### Accessories

- Data transfer software, interface cable included, SAUTER ATC-01
- Calibration foils for increased measuring accuracy (covers the range from 20 up to 2000  $\mu$ m, with < 3 % tolerance), **SAUTER ATB-US07**
- Sensor, Typ F, SAUTER ATE-01
- Sensor, Typ N, SAUTER ATE-02



















Model	Measuring range	Readout	Test object	Smallest sample surface	Option ISO Calibration Certificate
SAUTER	[Max] µm	[d] µm		(radius) mm	ISO KERN
TE 1250-0.1F.	100   1250	0,1   1	Coatings on steel and iron (F)	F: Convex: 1,5	961-110
TE 1250-0.1N.	100   1250	0,1   1	Insulating coatings on non-magnetic metals (N)	Concave: 25 N:	961-110
TE 1250-0.1FN.	100   1250	0,1   1	Combination instrument: F/N	Convex: 3 Concave: 50	961-112

# **SAUTER Pictograms:**





#### Adjusting program (CAL):

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



#### 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:

measuring process.

standard for adjusting or correcting the measuring device.





SWITCH

### 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.



PEAK

#### Scan mode:

Push and Pull:

continuous capture and display of measurements.



#### Statistics:

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.

by a single lever movement.



### PC Software:

to transfer the measurements from the device to a PC.



#### 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



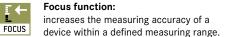
#### Printer:

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



### Fast-Move:

the total length of travel can be covered





# 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.



#### Internal memory:

to save measurements in the device memory.

Data interface RS-232:

bidirectional, for connection



# 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:

Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



1 DAY

# 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



# ZERO:

Resets the display to "0".



### Warranty:

The warranty period is shown in the pictogram.

in days in the pictogram.



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RS 232

#### Data interface USB:

of printer and PC.

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



# Your SAUTER specialist dealer: