

Digital coating thickness gauges SAUTER TF · TG

 PREMIUM
 ★★ ★


SAUTER TF


 PREMIUM
 ★★ ★


SAUTER TG

Premium measuring devices for paint coating, lacquer coating etc.

Features

- **1** LCD display, backlit, display of all information at a glance
- **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
- **Scan mode** for continuous measurement or single point measuring mode
- **Mini Statistics Kit:** displays the measured result, the average value and the max and the min value
- **Internal memory** up to 99 values
- **Selectable measuring units:** μm, mil
- **Base plate and calibration foils** included
- **Data interface RS-232** standard
- **2** Delivered in a robust carrying case, figure shows SAUTER TF

Technical data

- Precision:
 - Standard: 3 % of measured value or $\pm 2,5 \mu\text{m}$
 - Offset-Accur: 1 % of measured value or $\pm 1 \mu\text{m}$
- Minimal base thickness: 0,3 mm
- Dimensions W×D×H 65×35×126 mm
- Battery operation, batteries standard 2× 1.5 V AAA
- Net weight approx. 81 g

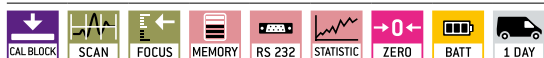
Accessories

- **Data transfer software**, interface cable included, SAUTER ATC-01
- **Calibration foils** for increased measuring accuracy (covers the range from 20 up to 2000 μm, with < 3 % tolerance), SAUTER ATB-US07
- SAUTER TG: **External sensor**, TypeFN, SAUTER ATG 01

SAUTER TG:

- **External sensor** for difficult-to-access measuring points

STANDARD


























OPTION



Model	Measuring range [Max] μm	Readout [d] μm	Test object	Smallest sample surface (radius) mm	Option Factory calibration certificates	
					KERN	
SAUTER						
TF 1250-0.1FN.	100 1250	0,1 1	Combination instrument: F/N	F: Convex: 1,5 Concave: 25	961-112	
TG 1250-0.1FN.	100 1250	0,1 1	Combination instrument: F/N	N: Convex: 3 Concave: 50	961-112	

Datasheet_TF_TG_V1

Pictograms

 Adjusting program (CAL): For quick setting of the instrument's accuracy. External adjusting weight required.	 Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Calibration block: standard for adjusting or correcting the measuring device.	 Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	 Rechargeable battery pack: rechargeable set.
 Peak hold function: capturing a peak value within a measuring process.	 Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 Scan mode: continuous capture and display of measurements.	 PC Software: to transfer the measurement data from the device to a PC.	 Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.
 Push and Pull: the measuring device can capture tension and compression forces.	 Printer: a printer can be connected to the device to print out the measurement data.	 Motorised drive: The mechanical movement is carried out by a electric motor.
 Length measurement: captures the geometric dimensions of a test object or the movement during a test process.	 GLP/ISO record keeping: of measurement data with date, time and serial number. Only with SAUTER printers	 Motorised drive: The mechanical movement is carried out by a synchronous motor (stepper).
 Focus function: increases the measuring accuracy of a device within a defined measuring range.	 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.	 Fast-Move: the total length of travel can be covered by a single lever movement.
 Internal memory: to save measurements in the device memory.	 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	 DAKkS calibration possible: The time required for DAKkS calibration is shown in days in the pictogram.
 Data interface RS-232: bidirectional, for connection of printer and PC.		 Factory calibration: The time required for factory calibration is specified in the pictogram.
 Data interface USB: To connect the measuring instrument to a printer, PC or other peripheral devices.		 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Data interface Infrared: To transfer data from the measuring instrument to a printer, PC or other peripheral devices.	 ZERO: Resets the display to "0".	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.

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