



Your constant companion – compact and easy to use

Features

- Ergonomic design for easy handling
- **Data interface RS-232**, included
- **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
- Selectable measuring units: μm , mil

1 SAUTER TC 1250-0.1FN-CAR:

- Specifically designed for the automobile industry
- **Automatic recognition of measuring mode** (F or N): “point and shoot”
- **Simple and convenient 1-key operation**

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 WxDxH 65x28x131 mm
- Battery operation, batteries standard 4 x 1.5 V AAA
- Net weight approx. 81 g

Accessories

- **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

STANDARD



OPTION



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

 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Data interface Infrared: 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.
 Calibration block: standard for adjusting or correcting the measuring device.	 Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.	 Rechargeable battery pack: rechargeable set.
 Peak hold function: capturing a peak value within a measuring process.	 Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements.	 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.	 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.
 Push and Pull: the measuring device can capture tension and compression forces.	 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: captures the geometric dimensions of a test object or the movement during a test process.	 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.
 Focus function: increases the measuring accuracy of a device within a defined measuring range.	 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.	 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.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Data interface RS-232: bidirectional, for connection of printer and PC.	 Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Data interface USB: To connect the balance to a printer, PC or other peripheral devices.	 ZERO: Resets the display to "0".	 Warranty: The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: