PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# SAUTER TE 1250-0.1F

Ergonomic design and external measuring head for highest ease of use

ENGLISH




## CONTACT

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## FEATURES

- External sensor for difficult-to-access measuring points
- Data interface RS-232 as standard
- Base plate and calibration foils included
- 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 1 % (or less) of the measured value
- Selectable measuring units: µm inch (mil)
- Auto-Power-Off

## TECHNICAL DATA

- Measuring precision:
  - Standard: 3% of measured value or ± 2,5 µm
  - Offset-Accur: 1% of measured value or ± 1 µm
- Smallest sample surface (radius), Type F
  - Convex: 1,5 mm
  - Flat: 6 mm
  - Concave: 50 mm
- Minimum thickness of base material: 300 µm
- Overall dimensions W×D×H 131×65×28 mm
- Battery operation, batteries standard (4×1.5 V AAA)
- Net weight approx. 0,10 kg

## MAIN SCOPE OF APPLICATIONS

- Automotive industry
- Electroplating and metal finishing
- Shipbuilding and aviation
- Laboratories and quality control
- Construction and building sites

## PICTOGRAMS

Standard




Option



## MODEL OVERVIEW

| Model | Measuring range [Max] | Readability [d] | Sensor type |
|---|---|---|---|
| TE 1250-0.1F | 100 µm; 1250 µm | 0,1 µm; 1 µm | • FE |
| TE 1250-0.1FN | 100 µm; 1250 µm | 0,1 µm; 1 µm | • FE<br>• NFE |

## ACCESSORIES

| Model | Description |
|---|---|
| ATB-US07 | Adjustment foils ATB-US07 |
| ATE 01 | Sensor, layer thickness ATE 01 (Type F) |

## SOFTWARE

| Model | Description |
|---|---|
| ATC-01 | Software ATC-01 |

## SERVICES

| Model | Description |
|---|---|
| 961-110 | Factory calibration certificate 961-110 |
| 970-017 | Warranty extension (+3 years) 970-017 |

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# KERN Pictogram Overview

| | |
|---|---|
|  | Calibration block: standard for adjusting the measuring device |
|  | Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible |
|  | ZERO: Reset the display to 0 |
|  | Battery operation: Ready for battery operation |
|  | Package shipment by courier service: The duration of internal product provision is one day |
|  | PC Software: to transfer the measurements from the device to a PC |
|  | Factory calibration (ISO): Factory calibration takes 4 working days |

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