PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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SAUTER TG 1250-0.1FN

Premium coating thickness gauge for paint layer, lacquer layer etc.

ENGLISH

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com

FEATURES

- External sensor for difficult-to-access measuring points
- 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 1 % (or less) of the measured value
- Two different measuring modes: single measurement and scan mode for continuous measurement
- Mini Statistics Kit: displays the measured result, the average value and the max and the min value
- Internal memory for up to 99 measurement values
- Selectable measuring units: µm inch (mil)
- Base plate and calibration foils included
- Data interface RS-232 as standard
- Delivered in a robust carrying case

TECHNICAL DATA

- Measuring precision:
  - Standard: 3% of measured value or ± 2,5 µm
  - Offset-Accur: 1% of measured value or ± 1 µm
- Minimum thickness of base material: 300 µm
- Overall dimensions W×D×H 130×64×32 mm
- Battery operation, batteries standard (2×1.5 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
TG 1250-0.1FN	100 µm; 1250 µm	0,1 µm; 1 µm	• FE • NFE

ACCESSORIES

Model	Description
ATB-US07	Adjustment foils ATB-US07
ATG 01	Sensor, layer thickness ATG 01

SOFTWARE

Model	Description
ATC-01	Software ATC-01

SERVICES

Model	Description
961-112	Factory calibration certificate 961-112
970-101	Warranty extension (+2 years) 970-101

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KERN Pictogram Overview

	Calibration block: standard for adjusting the measuring device
	Scan mode: continuous capture and display of measurements
	Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.
	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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