

SAUTER TO 100-0.01EE

KERN

Material thickness gauge for ultrasonic material thickness testing in Echo-Echo principle



Display

Display type	TFT, color
Display resolution	240×320

Construction

Dimension (W×D×H)	31×69×130 mm
Dimension housing (W×D×H)	31×69×130 mm
Dimensions completely mounted (W×D×H)	31×69×130 mm
Material housing	plastic
Material display housing	plastic
Cable length	1 m

Functions

Continuous capture possible	✓
Limit-setting function	✓
Memory function	✓
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	off 5 min 2 min 10 min

Interface

Interfaces	USB-Device
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Power Supply

Supplied power supply	Battery
Battery / accumulator type	Alkali(-Manganese)
Battery	2×1.5 V AA
Battery connection	Pad + Spring
Battery operating time	30 h
Battery capacity	3.000 mAh
Battery voltage	3 V
Battery - Number of cells	2
Battery - Individual weight	23 g
Battery - Total weight	46 g
Battery - Construction	Individual cells
Battery capacity (Wh)	4,5 Wh
Battery - Lithium content	0 g
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C

Date of creation: 21.06.2026

Category

Brand	Sauter
Product category	Material thickness measuring device
Product group	Ultrasonic Material thickness gauge Echo-Echo Method
Product family	TO-EE

Measuring System

Material thickness pulse-echo [Min] (mm)	0,7 mm
Material thickness echo-echo [Max] (mm)	100 mm
Material thickness pulse-echo [Max] (mm)	600 mm
Readability material thickness [d] (mm)	0,01 mm
Speed of sound [Min] (m/s)	200 m/s
Speed of sound [Max] (m/s)	19999 m/s
Measuring head diameter	10 mm
Measuring head measuring frequency	5 MHz
Material thickness echo-echo [Min] (mm)	3 mm
Internal data memory: Number of value groups	99
Units	mm inch
Tolerance (% of [Max])	0,4%
Internal data memory: Number of individual values	100

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Approval

CE mark ✓

Services (optional)

Article number for factory calibration 961-113

Packing & Shipping

Delivery time 1 d
Dimensions packaging (W×D×H) 315×245×85 mm
Shipping method Parcel service
Net weight approx. 0,25 kg
Gross weight approx. 1,4 kg
Shipping weight 1,33 kg
Shipping volume weight 1,3 kg

Product information

GTIN/EAN number 4045761217652
Trade number 90318080
REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

