

KERN 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 display housing	Plastics
Material housing	plastic
Cable length	1 m

Functions

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

Power Supply

Supplied power supply	Battery
Battery	2×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery capacity	3.000 mAh
Battery voltage	1,5 V
Battery operating time	30 h

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	315×245×85 mm
Net weight	0,245 kg
Shipping method	Parcel service
Net weight approx.	0,25 kg
Gross weight approx.	1,4 kg
Shipping weight	1,33 kg

Category

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

Measuring System

Units	mm inch
Tolerance (% of [Max])	0,4%
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
Material thickness pulse-echo [Min] (mm)	0,7 mm
Material thickness pulse-echo [Max] (mm)	600 mm
Material thickness echo-echo [Min] (mm)	3 mm
Material thickness echo-echo [Max] (mm)	100 mm
Measuring head diameter	10 mm
Measuring head measuring frequency	5 MHz
Internal data memory: Number of value groups	99
Internal data memory: Number of individual values	100

Approval

CE mark	✓
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Services (optional)

Article number for factory calibration	961-113
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Pictograms

STANDARD



OPTION

