KERN **TO 100-0.01EE**

KERN

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

Category

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

Measuring System

Material thickness echo-echo [Min] (mm)	3 mm
Material thickness echo-echo [Max] (mm)	100 mm
Material thickness pulse-echo [Min] (mm)	0,7 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
Units	mm inch
Internal data memory: Number of individual values	100
Internal data memory: Number of value groups	99
Tolerance (% of [Max])	0,4%

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	Plastics
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

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

Environmental conditions

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

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

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Shipping method	Parcel service
Net weight approx.	0,25 kg
Gross weight approx.	1,4 kg
Shipping weight	1,33 kg

Pictograms

STANDARD

CAL BLOCK	SCAN	MEMORY	USB	TOL	ZERO	BATT	1 DAY

OPTION

SOFTWARE	ISO +4 DAYS