

KERN TU 80-0.01US

Premium ultrasonic thickness gauge

KERN



Construction

Dimension (W×D×H)	132×76×32 mm
Dimension housing (W×D×H)	132×76×32 mm
Dimensions completely mounted (W×D×H)	130×76×32 mm
Material housing	cast aluminium
Cable length	0,9 m

Functions

Interfaces	USB-Device
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Power Supply

Supplied power supply	Battery
Battery	2×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery capacity	3.000 mAh
Battery voltage	1,5 V
Battery operating time	100 h

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	60 °C
Storage temperature [Min]	-30 °C
Storage temperature [Max]	70 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	315×245×85 mm
Net weight	0,4975 kg
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	1,8 kg
Shipping weight	1,6105 kg

Services (optional)

Article number for factory calibration	961-113
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Category

Brand	Sauter
Product category	Material thickness measuring device
Product group	Ultrasonic Material thickness gauge pulse-echo method
Product family	TU-US

Measuring System

Units	mm inch
Tolerance (% of [Max])	0,5%
Readability material thickness [d] (mm)	0,01 mm
Speed of sound [Min] (m/s)	1000 m/s
Speed of sound [Max] (m/s)	9999 m/s
Material thickness pulse-echo [Min] (mm)	0,75 mm
Material thickness pulse-echo [Max] (mm)	80 mm
Measuring head diameter	6 mm
Measuring head measuring frequency	7 MHz
Internal data memory: Number of value groups	20
Internal data memory: Number of individual values	100

Approval

CE mark	✓
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Display

Display type	LCD
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Pictograms

STANDARD



OPTION

