SAUTER **TN 80-0.01US**

Portable measuring device for ultrasonic material thickness testing

Date of creation: 02.10.2026

Category

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

Measuring System

Material thickness pulse-echo [Min] (mm)	0,75 mm
Material thickness pulse-echo [Max] (mm)	80 mm
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
Measuring head diameter	6 mm
Measuring head measuring frequency	7 MHz
Internal data memory: Number of value groups	20
Units	mm inch
Tolerance (% of [Max])	0,5%
Internal data memory: Number of individual values	100

Display

Display type	LCD
Display digit height	14 mm

Construction

Dimension (W×D×H)	150×74×32 mm
Dimension housing (W×D×H)	150×74×32 mm
Dimensions completely mounted (W×D×H)	150×74×32 mm
Material housing	plastic
Cable length	0,9 m

Power Supply

Supplied power supply	Battery
Battery / accumulator type	Alkali(-Manganese)
Battery	2×1.5 V AA
Battery operating time	100 h
Battery capacity	3.000 mAh
Battery voltage	1,5 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
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Services (optional)

Article number for factory calibration	961-113

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	312×250×85 mm
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	1,6 kg
Shipping weight	1,41 kg
Shipping volume weight	1,3 kg

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Product information

GTIN/EAN number	4045761139848
Trade number	90318080
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION