MEASURING TECHNOLOGY & TEST SERVICE 2024

Material thickness measurement

Ultrasonic Thickness Gauge SAUTER TN-US





SAUTER

Portable measuring device for ultrasonic material thickness testing

Features

- External measuring head
- Data interface USB standard (only for models with readout [d] = 0,01 mm)
- Scan mode (10 measurements per sec.) or single point measuring mode possible
- Internal memory for up to 20 files (with up to 100 values per file)
- · Selectable measuring units: mm, inch
- Scope of delivery: Operating instructions, batteries, device-specific measuring head and ultrasound contact gel
- 1 Delivered in a robust carrying case

Technical data

- Measuring precision: 0,5 % of [Max] \pm 0,04 mm
- Overall dimensions W×D×H 150×74×32 mm
 Battery operation, batteries standard
- (2×1.5 V AA), AUTO-OFF function to preserve the battery
- Net weight approx. 0,25 kg

Accessories

- Data transfer software, interface cable included, SAUTER ATU-04
- External measuring head, 2,5 MHz, Ø 14 mm, for thick samples, in particular cast iron with rough upper surfaces: Measuring range 3–300 mm (steel), SAUTER ATU-US01
- External measuring head, 7 MHz, Ø 6 mm, for thin test materials: Measuring range 0,75–80 mm (steel), SAUTER ATU-US02
- External measuring head, 5 MHz, ∅ 10 mm, SAUTER ATU-US09
- External measuring head, 5 MHz, Ø 10 mm, transducer at an angle of 90°, SAUTER ATU-US10
- External measuring head, 5 MHz, Ø 12 mm, for hot test materials: Measuring range (steel)
 3-200 mm at temperatures of up to 300°C, SAUTER ATB-US02
- Ultrasound contact gel, refill pack, approx. 70 ml, SAUTER ATB-US03

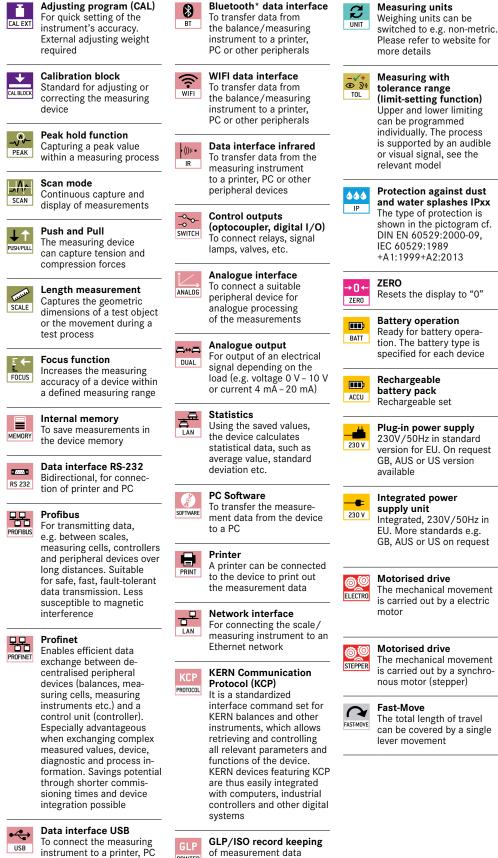


Model	Measuring range	Readout	Measuring head	Sound velocity	Option Factory Calibration Certificate
		[d]			-
SAUTER	mm	mm		m/sec	KERN
TN 80-0.1US	0,75 - 80	0,1	7 MHz Ø 6 mm	1000 - 9999	961-113
TN 230-0.1US	1,2 - 230	0,1	5 MHz Ø 10 mm	1000 - 9999	961-113
TN 300-0.1US	3 - 300	0,1	2,5 MHz Ø 14 mm	1000 - 9999	961-113
TN 80-0.01US	0,75 - 80	0,01	7 MHz Ø 6 mm	1000 - 9999	961-113
TN 230-0.01US	1,2 - 230	0,01	5 MHz Ø 10 mm	1000 - 9999	961-113
TN 300-0.01US	3 - 300	0,01	2,5 MHz Ø 14 mm	1000 - 9999	961-113



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SAUTER Pictograms







Conformity assessment Models with type approval for construction of verifiable systems

SAUTER

DAkkS calibration DAkkS possible +3 DAYS

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO) ISO +4 DAYS

The time required for factory calibration is specified in the pictogram

Package shipment

1 DAY

2 DAYS

The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for internal shipping preparations is shown in days in the pictogram

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