



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] ± 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, Ø 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

STANDARD

[d]=0,01 mm

OPTION

+4 DAYS

Model	Measuring range	Readout	Sensor	Sound velocity	Option
					Factory Calibration Certificate KERN
SAUTER	mm	[d] mm		m/sec	
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