

Ultrasonic thickness gauge SAUTER TN-US



Hand-hold thickness gauge

Features

Technical data

Accessories

- **External sensor**
- **Data interface RS-232**, standard (only for models with readout [d] = 0,01 mm)
- Delivered in a hard carrying case
- **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

- Precision: 0,5 % of [Max] ± 0,04 mm
- Dimensions LxWxH 150x74x32 mm
- Battery operation, batteries standard (2 x 1.5 V AA), AUTO-OFF function to preserve the batteries
- Net weight approx. 245 g

- **Data transfer software**, interface cable included, SAUTER ATU-04
- **External sensor**, 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 sensor**, 7 MHz, Ø 6 mm, for thin test materials: Measuring range 0,75 - 80 mm (steel), SAUTER ATU-US02
- **External sensor**, 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
- **External sensor**, 5 MHz, Ø 10 mm, SAUTER ATU-US09
- **External sensor**, 5 MHz, Ø 10 mm, transducer at an angle of 90°, SAUTER ATU-US10
- **Thermal printer**, SAUTER ATU-05

STANDARD

CAL BLOCK

MEMORY

RS 232

ZERO

BATT

1 DAY

2 YEARS WARRANTY

OPTION

SOFTWARE

ISO +4 DAYS

Model	Measuring range [Max] mm	Readout [d] mm	Sensor	Sound velocity m/sec	Option ISO Calibr. Certificate	
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SAUTER						
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 - 200 230	0,01	5 MHz Ø 10 mm	1000 - 9999	961-113	
TN 300-0.01US.	3 - 200 300	0,01	2,5 MHz Ø 14 mm	1000 - 9999	961-113	