SC METROMAT SRL

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Ultrasonic thickness gauge SAUTER TU-US

SAUTER













Premium ultrasonic thickness gauge

Features

- **External sensor** for difficult-to-access measurements
- **Base plate for adjustment** included
- 1 **Data interface RS-232**
- 2 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)
- **Function to set limits,** programming of Max./Min., in pull and push direction, with output of audible and optical signal.
- Selectable measuring units: mm, inch
- Robust metal housing

Technical data

- Precision: 0,5 % of [Max] ± 0,04 mm
- Dimensions WxDxH 76x32x132 mm
- Battery operation, batteries standard 2 x 1.5 V AA
- Net weight approx. 345 g

Accessories

- **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
- **External sensor**, 6 MHz, Ø 6 mm, for thin test materials: Measuring range (steel) 1 – 50 mm, SAUTER ATB-US01
- 3 **Thermal printer**, SAUTER ATU-05
- **Paper rolls,** 1 piece, for SAUTER ATU-05, SAUTER ATU-US11
- **Ultrasound contact gel**, standard, can be reordered, approx. 60 ml, SAUTER ATB-US03
- **5 steel calibration blocks** without wooden box, SAUTER ATU-06
- **5 steel calibration blocks** with wooden box, SAUTER ATU-09

STANDARD



OPTION



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

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