



Hand-hold thickness gauge

Features

- **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

TN-EE:

- Two measuring modes to determine material thickness:
 - Pulse-echo mode
 - Echo-echo mode
- Determining the actual thickness of materials regardless of any coating which might be present. In this way, the wall thickness of pipes, for example can be determined in a non-destructive manner, i.e. without having to remove the coating

- Echo-echo measurements are only possible with the measuring head included as part of the delivery (ATU-US12, see accessory)

Technical data

- 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

TN-EE:

- Maximum thickness of coating (paints, lacquers or similar coatings) which will be eliminated: 3 mm
- Measuring range in echo-echo mode:
 - TN 30-0.01EE: 3–30 mm
 - TN 60-0.01EE: 3–60 mm

Accessories

- **Data transfer software**, interface cable included, SAUTER ATU-04, **€ 95,-**

TN-US:

- **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, **€ 185,-**
- **External sensor**, 7 MHz, Ø 6 mm, for thin test materials: Measuring range 0,75–80 mm (steel), SAUTER ATU-US02, **€ 95,-**
- **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, **€ 295,-**
- **External sensor**, 5 MHz, Ø 10 mm, SAUTER ATU-US09, **€ 95,-**
- **External sensor**, 5 MHz, Ø 10 mm, transducer at an angle of 90°, SAUTER ATU-US10, **€ 95,-**
- **Thermal printer**, SAUTER ATU-05, **€ 355,-**

TN-EE:

- **External sensor**, 5 MHz, Ø 12 mm, for echo-echo measuring, SAUTER ATU-US12, **€ 85,-**

STANDARD



OPTION



Model	Measuring range	Readout	Sensor	Sound velocity	Price excl. of VAT ex works €	Option	
						ISO Calibr. Certificate	
SAUTER	[Max] mm	[d] mm		m/sec		ISO KERN	€
TN 80-0.1US.	0,75–80	0,1	7 MHz Ø 6 mm	1000–9999	525,-	961-113	120,-
TN 230-0.1US.	1,2–230	0,1	5 MHz Ø 10 mm	1000–9999	525,-	961-113	120,-
TN 300-0.1US.	3–300	0,1	2,5 MHz Ø 14 mm	1000–9999	620,-	961-113	120,-
TN 80-0.01US.	0,75–80	0,01	7 MHz Ø 6 mm	1000–9999	575,-	961-113	120,-
TN 230-0.01US.	1,2–230	0,01	5 MHz Ø 10 mm	1000–9999	575,-	961-113	120,-
TN 300-0.01US.	3–300	0,01	2,5 MHz Ø 14 mm	1000–9999	675,-	961-113	120,-
TN 30-0.01EE	0,65–600	0,01	5 MHz Ø 12 mm	1000–9999	1125,-	961-113	120,-
TN 60-0.01EE	0,65–600	0,01	5 MHz Ø 12 mm	1000–9999	1539,-	961-113	120,-