

# Ultrasonic thickness gauge SAUTER TN-US



## Hand-held material 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

### Technical data

- Precision: 0,5 % of [Max]  $\pm 0,04$  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

### Accessories

- **Data transfer software**, interface cable included, SAUTER ATU-04
- **External sensor**, 2,5 MHz,  $\varnothing 14$  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,  $\varnothing 6$  mm, for thin test materials: Measuring range 0,75 - 80 mm (steel), SAUTER ATU-US02
- **External sensor**, 5 MHz,  $\varnothing 12$  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,  $\varnothing 10$  mm, SAUTER ATU-US09
- **External sensor**, 5 MHz,  $\varnothing 10$  mm, transducer at an angle of 90°, SAUTER ATU-US10
- **External sensor**, 6 MHz,  $\varnothing 6$  mm, for thin test materials: Measuring range (steel) 1 - 50 mm, SAUTER ATB-US01
- **Thermal printer**, SAUTER ATU-05
- **5 calibration blocks**, steel, 20, 50, 100, 200, 300 mm, SAUTER ATU-09

### STANDARD



### OPTION



Model	Measuring range	Readout	Sensor	Sound velocity	Option	
					ISO	Calibr. Certificate
SAUTER	[Max] mm	[d] mm		m/sec		
TN 80-0.1US.	0,75 - 80	0,1	7 MHz   $\varnothing 6$ mm	1000 - 9999	961-113	
TN 230-0.1US.	1,2 - 230	0,1	5 MHz   $\varnothing 10$ mm	1000 - 9999	961-113	
TN 300-0.1US.	3 - 300	0,1	2,5 MHz   $\varnothing 14$ mm	1000 - 9999	961-113	
TN 80-0.01US.	0,75 - 80	0,01	7 MHz   $\varnothing 6$ mm	1000 - 9999	961-113	
TN 230-0.01US.	1,2 - 200   230	0,01	5 MHz   $\varnothing$ mm	1000 - 9999	961-113	
TN 300-0.01US.	3 - 200   300	0,01	2,5 MHz   $\varnothing 14$ mm	1000 - 9999	961-113	