Ultrasonic thickness gauge SAUTER TB-US

SAUTER

Compact worktool for daily use

Features

- **External sensor** for difficult-to-access measurements
- **Base plate for adjustment** incorporated
- 1 Delivered in a hard carrying case
- **Auto-Power-Off**
- Selectable measuring units: mm, inch
- TB 200-0.1US-RED. can only analyse these materials: cast iron, aluminium, copper, brass, zinc, quartz glass, polyehylene, PVC, grey cast iron, nodular cast iron, steel

Technical data

- Precision: 0,5 % of [Max]
- Dimensions WxDxH 69x32x161 mm
- Battery operation, batteries standard 4 x 1.5 V AA
- Net weight approx. 0,3 kg

Accessories

- **External sensor**, 5 MHz, Ø 6 mm, for thin test materials: measuring range (steel) 1 – 50 mm, SAUTER ATB-US01
- **External sensor**, 5 MHz, Ø 12 mm, for hot test materials: Measuring range (steel) 1 – 225 mm at normal temperatures, 4 – 100 mm at temperatures of up to 300 °C, SAUTER ATB-US02
- **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 10 mm, SAUTER ATU-US09
- **External sensor**, 5 MHz, Ø 8 mm, SAUTER ATB-US06
- **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

CAL BLOCK | ZERO | BATT | 1 DAY | 2 YEARS WARRANTY

OPTION

ISO +4 DAYS

Model	Measuring range	Readout	Sensor	Sound velocity		Option ISO Calibration Certificate	
SAUTER	[Max] mm	[d] mm		m/sec		ISO KERN	
TB 200-0.1US.	1,5 - 200	0,1	5 MHz | Ø 8 mm	500 - 9000		961-113	
TB 200-0.1US-RED.	1,5 - 200	0,1	5 MHz | Ø 8 mm	-		961-113	

SAUTER Pictograms:

Adjusting program (CAL):
For quick setting of the balance's accuracy. External adjusting weight required.

Calibration block:
standard for adjusting or correcting the measuring device.

Peak hold function:
capturing a peak value within a measuring process.

Scan mode:
continuous capture and display of measurements.

Push and Pull:
the measuring device can capture tension and compression forces.

Length measurement:
captures the geometric dimensions of a test object or the movement during a test process.

Focus function:
increases the measuring accuracy of a device within a defined measuring range.

Internal memory:
to save measurements in the device memory.

Data interface RS-232:
bidirectional, for connection of printer and PC.

Data interface USB:
To connect the balance to a printer, PC or other peripheral devices.

Data interface Infrared:
To transfer data from the balance to a printer, PC or other peripheral devices.

**Control outputs
(optocoupler, digital I/O):**
to connect relays, signal lamps, valves, etc.

Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements.

Statistics:
using the saved values, the device calculates statistical data, such as average value, standard deviation etc.

PC Software:
to transfer the measurements from the device to a PC.

Printer:
a printer can be connected to the device to print out the measurements.

GLP/ISO record keeping:
of measurements with date, time and serial number. Only with SAUTER printers.

Measuring units:
Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.

Measuring with tolerance range:
Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.

ZERO:
Resets the display to "0".

Battery operation:
Ready for battery operation. The battery type is specified for each device.

Rechargeable battery pack:
rechargeable set.

Mains adapter:
230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

Power supply:
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.

Motorised drive:
The mechanical movement is carried out by a motorised drive.

Fast-Move:
the total length of travel can be covered by a single lever movement.

ISO Calibration:
The time required for ISO calibration is shown in days in the pictogram.

Package shipment:
The time required for internal shipping preparations is shown in days in the pictogram.

Pallet shipment:
The time required for internal shipping preparations is shown in days in the pictogram.

Warranty:
The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: