Ultrasonic thickness gauge SAUTER TB-US

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 W×D×H 69×32×161 mm
- Battery operation, batteries standard 4× 1.5V AA
- Net weight approx. 0,3 kg

Accessories

- **External sensor,** 5 MHz, ⌀ 6 mm, for thin test materials: measuring range (steel) 1–50 mm, SAUTER ATB-US01
- **External sensor,** 5 MHz, ⌀ 12 mm, for hot test materials: Measuring range (steel) 1–225 mm at temperatures up to approx. 40°C, 4-100 mm at temperatures up to approx. 300 °C, SAUTER ATB-US02
- **External sensor,** 7 MHz, ⌀ 6 mm, for thin test materials: Measuring range 0,75–80 mm (steel), SAUTER ATU-US02
- **External sensor,** 5 MHz, ⌀ 10 mm, SAUTER ATU-US09
- **External sensor,** 5 MHz, ⌀ 8 mm, SAUTER ATB-US06
- **Ultrasound contact gel,** standard, can be reordered, approx. 60 ml, SAUTER ATB-US03

STANDARD

CAL BLOCK | →0← ZERO | BATT | 1 DAY | 2 YEARS WARRANTY

OPTION

ISO +4 DAYS

Model	Measuring range	Readout	Sensor	Sound velocity		Option **Factory calibration certificates**	
	[Max]	[d]					
SAUTER	mm	mm		m/sec		KERN	
TB 200-0.1US.	1,5–200	0,1	5 MHz | ⌀ 8 mm	500–9000		961-113	
TB 200-0.1US-RED.	1,5–200	0,1	5 MHz | ⌀ 8 mm	–		961-113	

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SAUTER Catalogue 2017 | GB

SAUTER Pictograms:

SAUTER

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 electric motor.

Motorised drive:
The mechanical movement is carried out
by a synchronous motor (stepper).

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

DAkkS calibration possible:
The time required for DAkkS calibration
is shown in days in the pictogram.

Factory calibration:
The time required for factory calibration
is specified 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:

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