# Ultrasonic thickness gauge SAUTER TB-US







# Compact worktool for daily use

## Features

STANDARI

- 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

BVL.

• 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

Model	Measuring range	Readout	Sensor	Sound		Option	
	0 0			velocity		ISO Calibration Certificate	
	[Max]	[d]				ISO	
SAUTER	mm	mm		m/sec		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.



of measurements.

Scan mode:



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

continuous capture and display



# 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.

of printer and PC.



Data interface RS-232 bidirectional, for connection



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.



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

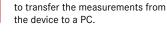


#### Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements.



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

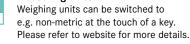






GLP/ISO record keeping: of measurements with date, time and

# Measuring units:





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





# 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.



230 V

## Power supply:

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



The mechanical movement is carried out by a motorised drive.



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.



## The warranty period is shown in the pictogram.

Your SAUTER specialist dealer:







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

Printer:

GLP PROTOCOL

S UNIT





ZERO:

Resets the display to "0".







VARRANTY



serial number. Only with SAUTER printers.

MOTOR

Motorised drive:

Fast-Move: