Ultrasonic thickness gauge SAUTER TU-US















Premium ultrasonic thickness gauge

Features

- External sensor for difficult-to-access measurements
- Base plate for adjustment included
- 11 Data interface RS-232
- 2 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)
- Function to set limits, programming of Max./Min., in pull and push direction, with output of audible and optical signal.
- Selectable measuring units: mm, inch
- Robust metal housing

Technical data

- Precision: 0,5 % of [Max] ± 0,04 mm
- Dimensions LxWxH 132x76x32 mm
- · Battery operation, batteries standard (2 x 1.5 V AA)
- Net weight approx. 345 g

Accessories

- Software, interface cable included, **SAUTER ATU-04**
- 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
- 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 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, Ø 10 mm, **SAUTER ATU-US09**
- External sensor, 5 MHz, Ø 10 mm, transducer at an angle of 90°, SAUTER ATU-US10
- External sensor, 6 MHz, Ø 6 mm, for thin test materials: Measuring range (steel) 1 - 50 mm, SAUTER ATB-US01
- 3 Thermal printer, SAUTER ATU-05
- Paper rollsfor SAUTER ATU-05, **SAUTER ATU-US11**

STANDARD



Model

SAUTER

TU 80-0.01US.

TU 230-0.01US. TU 300-0.01US.























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Measuring range	Readout	Sensor	Sound	Option		e 20
			velocity	ISO Calibration Certificate		gue
[Max]	[d]			ISO		, ê
mm	mm		m/sec	KERN		ate
0,75-80	0,01	7 MHz Ø 6 mm	1000 - 9999	961-113		RC
1,2 - 230	0,01	5 MHz Ø 10 mm	1000-9999	961-113		ᅟᆮ
3-300	0,01	2,5 MHz Ø 14 mm	1000-9999	961-113) A

SAUTER Pictograms:





Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



Data interface Infrared:

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



Battery operation:

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



Calibration block:

standard for adjusting or correcting the measuring device.



Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



Rechargeable battery pack:

rechargeable set.



Peak hold function:

capturing a peak value within a measuring process.



Analogue interface:

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



Mains adapter:

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



Scan mode:

Push and Pull:

continuous capture and display of measurements.



Statistics:

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



Power supply:

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

by a single lever movement.



PC Software:

to transfer the measurements from the device to a PC.



Motorised drive:

The mechanical movement is carried out by a motorised drive.



Length measurement:

and compression forces.

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

the measuring device can capture tension



Printer:

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



Fast-Move:

the total length of travel can be covered



Focus function:

increases the measuring accuracy of a device within a defined measuring range.



GLP/ISO record keeping:

of measurements with date, time and serial number. Only with SAUTER printers.



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



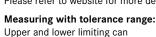
Internal memory:

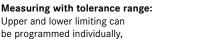
to save measurements in the device memory.



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.







1 DAY

Pallet shipment:

Package shipment:

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

The time required for internal

shipping preparations is shown in days in the pictogram.



Warranty: The warranty period is shown in the pictogram.



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.



TOL

ZERO:

Resets the display to "0".

e.g. for sorting and dosing.

Your SAUTER specialist dealer: