



Compact material thickness gauge with external sensor

Features

- · External sensor for difficult-to-access measuring points
- Data interface RS-232 included
- Base plate for adjustment incorporated
- 11 Delivered in a hard carrying case
- Selectable measuring units: mm, inch

Technical data

- Precision: 0,5 % of [Max] + 0,1 mm
- Dimensions W×D×H 120×65×30 mm
- · Battery operation, batteries standard 4× 1.5V AAA, AUTO-OFF function to preserve the batteries
- Net weight approx. 0,164 kg

Accessories

- · Software, interface cable included, **SAUTER ATD-01**
- 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, SAUTER ATU-US02
- External sensor, 5 MHz, Ø 8 mm, SAUTER ATB-US06
- External sensor, 5 MHz, Ø 10 mm, SAUTER ATU-US09
- External sensor, 5 MHz, ∅ 10 mm, transducer at an angle of 90°, SAUTER ATU-US10
- · Ultrasound contact gel, standard, can be reordered, approx. 60 ml, **SAUTER ATB-US03**

STANDARD















Model	Measuring range	Readout	Sensor	Sound velocity	Option	
				,	Factory calibration certificates	
	[Max]	[d]				
SAUTER	mm	mm		m/sec	KERN	
TD 225-0.1US.	1,2-225	0,1	5 MHz Ø 8 mm	500-9000	961-113	

SAUTER Pictograms:





Adjusting program (CAL):

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



Control outputs

(optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



Mains adapter:

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



PEAK

SCAN

Calibration block:

Peak hold function:

measuring process.

of measurements.

Scan mode:

standard for adjusting or correcting the measuring device.

capturing a peak value within a

continuous capture and display



Analogue interface:

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



Power supply:

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



Statistics:

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



Motorised drive:

The mechanical movement is carried out by a electric motor.



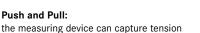
PC Software:

to transfer the measurements from the device to a PC.



Motorised drive:

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





Printer:

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



Fast-Move:

the total length of travel can be covered by a single lever movement.



Length measurement:

and compression forces.

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



GLP/ISO record keeping:

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



DAkkS calibration possible:

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



Focus function:

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



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.



Factory calibration:

The time required for factory calibration is specified in the pictogram.



Internal memory:

to save measurements in the device memory.

Data interface RS-232:

bidirectional, for connection

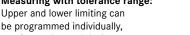


•0+

ZERO

Measuring with tolerance range:

be programmed individually, e.g. for sorting and dosing.





Package shipment:

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



Resets the display to "0".



Pallet shipment:

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



Warrantv:

The warranty period is shown in the pictogram.



USB

((((:•

IR

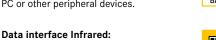
Data interface USB:

of printer and PC.

To connect the balance to a printer, PC or other peripheral devices.

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.



Rechargeable battery pack:

rechargeable set.

Your SAUTER specialist dealer:



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