SAUTER CATALOGUE 2020

Ultrasonic thickness gauge SAUTER TB-US





SAUTER

Reliable material thickness gauge for daily use

Features

- External sensor for difficult-to-access measurements
- · Base plate for adjustment incorporated
- 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
- Delivered in a robust carrying case

Technical data

- Measuring precision: 0,5 % of [Max]
- Dimensions W×D×H 161×69×32 mm
- Battery operation, batteries standard 4× 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 temperatures up to approx.
 300°C, 4–100 mm at temperatures up to approx.
 300 °C, SAUTER ATB-US02
- External sensor, 5 MHz, ∅ 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

STANDARI	OPTION			
+	→0←		.	ISO
CAL BLOCK	ZERO	BATT	1 DAY	+4 DAYS

Model	Measuring range	Readout	Sensor	Sound velocity	Option Factory calibration certificates	
SAUTER	[Max] mm	[d] 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	

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Pictograms



Adjusting program (CAL): For quick setting of the instrument'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.



continuous capture and display of measurements

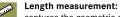


SCALE

Push and Pull:

Scan mode:

the measuring device can capture tension and compression forces.



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 measuring instrument to a printer, PC or other peripheral devices.



WLAN data interface:

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



Data interface Infrared:

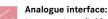
To transfer data from the measuring instrument to a printer, PC or other peripheral devices.

Your KERN specialist dealer:

Impex Produkter AS Gamle Drammensvei 107 1363 Høvik www.impex.no info@impex.no Tel.: 22 32 77 20



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



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



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



to transfer the measurement data from the device to a PC



Printer: a printer can be connected to the device to PRINT print out the measurement data.

-----Network interface:

For connecting the scale to an Ethernet LAN network.



KERN Communication Protocol (KCP): It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other



GLP/ISO record keeping:

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



Measuring units:

digital systems.

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

(limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model





Motorised drive:

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



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

DAkkS +3 DAYS

FAST-MOVE

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:

1 DAY

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.

ISO





ZERO:

ACCU

m



230 V

-6 230 V