

## PRODUCT BROCHURE

# SAUTER TU 80-0.01US

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ENGLISH



Premium ultrasonic thickness gauge

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## PRODUCT SHOWCASE



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## DESCRIPTION

- External measuring head for difficult-to-access measuring points
- Base plate for adjustment included
- USB data interface, as standard
- 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)
- Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible and visual signal
- Selectable measuring units: mm  
inch
- Robust metal housing
- Scope of delivery: Operating instructions, batteries, external measuring head (Ø 6 mm) and ultrasound contact gel
- Delivered in a robust carrying case

## SPECIFICATIONS

### Article codes, product groups & Status information

Model article-code	TU 80-0.01US
Model-Serie	TU
Assortment	Sauter
Product Type	Thickness measurement
Product group	Material thickness gauges
Product usage type	Main article
EAN code (Model)	4045761139824
Predecessor Model	TU 80-0.01US-2019a
Customs tariff number	90318080
CE Label	yes
Country of Origin	CN

### Technical data - Primary

Max. Pulse-Echo	80 mm
Min. Pulse-Echo	0.75 mm

### Technical data - Construction

Dimension housing (W×D×H)	132×76×32 mm
Material housing	cast aluminium
cable length	0.9 m

### Technical data - Display

Display type	LCD
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### Technical data - Power supply

Power supply	Battery
Battery type	Alkali(-Manganese)
Quantity Batteries	2×1.5 V AA

### Technical data - Measuring system

Readability	0.01 mm
Tolerance (% from Max.)	0.5%
Units	inch;mm
Material Speed of sound - min.	1000 m/s
Material Speed of sound - max.	9999 m/s
Material Speed of sound - max.	9999 m/s
Measuring Head diameter	6 mm

### Technical data - Functions

Interfaces	USB-Device
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### Technical data - Environmental conditions

Maximum operating temperature	60 °C
Minimum operating temperature	-10 °C
Maximum storage temperature	70 °C
Minimum storage temperature	-30 °C

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## Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	315×245×85 mm
Gross weight	1.8 kg
Net weight	0.50 kg
Shipping method	Parcel service
UN number	Drycell (UN number Alkaline: none, NiMH: 3496 - Packing instruction # 1)
Packaging component - by weight - cardboard	262 g
Packaging component - by weight - styrofoam	556.5 g
Delivery time	1 d

## Technical data - Counting data

Value memory - number of groups	20
Value memory - number of cells (per group)	100

## Optional Services

Factory calibration	961-113
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## FUNCTIONS

Standard



Option



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## ACCESSORIES

Model	Description
<a href="#"><u>ATB-US02</u></a>	External measuring head ATB-US02
<a href="#"><u>ATB-US06</u></a>	External measuring head ATB-US06
<a href="#"><u>ATB-US03</u></a>	Ultrasound contact gel ATB-US03
<a href="#"><u>ATU-US01</u></a>	Ultrasonic probe ATU-US01
<a href="#"><u>ATU-US02</u></a>	External measuring head ATU-US02
<a href="#"><u>ATU-US09</u></a>	Cable SAUTER ATU-US09
<a href="#"><u>ATU-US10</u></a>	External measuring head ATU-US10

## SERVICES

Model	Description
<a href="#"><u>961-113</u></a>	Factory calibration KERN 961-113
<a href="#"><u>970-106</u></a>	Warranty extension KERN (+2 years) 970-106

## SOFTWARES

Model	Description
<a href="#"><u>ATU-04TU</u></a>	Data Transfer Software SAUTER ATU-04TU