

PRODUCT BROCHURE

SAUTER TU 300-0.01US

Date: 31.12.2025

ENGLISH



Premium ultrasonic thickness gauge

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



ENGLISH

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 14 mm) and ultrasound contact gel
- Delivered in a robust carrying case

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	TU 300-0.01US
Model-Serie	TU
Assortment	Sauter
Product Type	Thickness measurement
Product group	Material thickness gauges
Product usage type	Main article
EAN code (Model)	4045761139817
Predecessor Model	TU 300-0.01US-2019a
Customs tariff number	90278990
CE Label	yes

Technical data - Primary

Max. Pulse-Echo	300 mm
Min. Pulse-Echo	3 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
--------------	-----

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 14 mm

Technical data - Functions

Interfaces USB-Device

Technical data - Environmental conditions

Maximum operating temperature 60 °C

Minimum operating temperature -10 °C

Maximum storage temperature 70 °C

Minimum storage temperature -30 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 320×245×85 mm

Gross weight	1.8 kg
Net weight	0.55 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	553 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
---------------------	---------

FUNCTIONS

Standard



Option



ENGLISH

ACCESSORIES

Model	Description
ATB-US02	External measuring head ATB-US02
ATB-US06	External measuring head ATB-US06
ATB-US03	Ultrasound contact gel ATB-US03
ATU-US02	External measuring head ATU-US02
ATU-US09	Cable SAUTER ATU-US09
ATU-US10	External measuring head ATU-US10

SERVICES

Model	Description
ATB-US02	External measuring head ATB-US02
ATB-US06	External measuring head ATB-US06
ATB-US03	Ultrasound contact gel ATB-US03
ATU-US02	External measuring head ATU-US02
ATU-US09	Cable SAUTER ATU-US09
ATU-US10	External measuring head ATU-US10

SOFTWARES

Model	Description
ATB-US02	External measuring head ATB-US02
ATB-US06	External measuring head ATB-US06
ATB-US03	Ultrasound contact gel ATB-US03
ATU-US02	External measuring head ATU-US02
ATU-US09	Cable SAUTER ATU-US09
ATU-US10	External measuring head ATU-US10

RELATED ARTICLES DATA

Model name	Max. Pulse-Echo	Min. Pulse-Echo
TU 80-0.01US	80 mm	0.75 mm
TU 300-0.01US	300 mm	3 mm

ENGLISH