

PRODUCT BROCHURE

SAUTER TN 300-0.1US

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ENGLISH



Portable measuring device for ultrasonic material thickness testing

CONTACT

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information

PRODUCT SHOWCASE



DESCRIPTION

- External measuring head
- 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)
- Selectable measuring units: mm
inch
- 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	TN 300-0.1US
Model-Serie	TN
Assortment	Sauter
Product Type	Thickness measurement
Product group	Material thickness gauges
Product usage type	Main article
EAN code (Model)	4045761139855

Predecessor Model TN 300-0.1US-2019a

Successor Model TN 300-0.01US

Customs tariff number 90318080

CE Label yes

Technical data - Primary

Max. Pulse-Echo 300 mm

Min. Pulse-Echo 3 mm

Technical data - Construction

Dimension housing (W×D×H)	150×74×32 mm
Material housing	plastic
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	0.1 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 - Environmental conditions

Maximum operating temperature	40 °C
Minimum operating temperature	-10 °C
Maximum storage temperature	40 °C

Minimum storage temperature -10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	317×247×85 mm
Gross weight	1.4 kg
Net weight	0.30 kg
Shipping method	Parcel service
UN number	Drycell (UN number Alkaline: none, NiMH: 3496 - Packing instruction #1)
Packaging component - by weight - cardboard	262 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	 

ACCESSORIES

Model	Description
ATB-US02	External measuring head ATB-US02
ATB-US06	External measuring head ATB-US06
ATU-US01	Ultrasonic probe ATU-US01
ATU-US02	External measuring head ATU-US02
ATU-US09	Cable SAUTER ATU-US09
ATU-US10	External measuring head ATU-US10

SERVICES

Model	Description
961-113	Factory calibration KERN 961-113
970-103	Warranty extension KERN (+2 years) 970-103

RELATED ARTICLES DATA

Model name	Max. Pulse-Echo	Min. Pulse-Echo	Max. Echo-Echo	Min. Echo-Echo
TN 30-0.01EE	600 mm	0.65 mm	30 mm	3 mm
TN 80-0.1US	80 mm	0.75 mm	-	-
TN 230-0.1US	230 mm	1.2 mm	-	-
TN 300-0.1US	300 mm	3 mm	-	-
TN 80-0.01US	80 mm	0.75 mm	-	-
TN 230-0.01US	230 mm	1.2 mm	-	-
TN 300-0.01US	300 mm	3 mm	-	-
TN 60-0.01EE	600 mm	0.7 mm	60 mm	3 mm
TN GOLD 80	80 mm	0.75 mm	-	-