

Digital Ultrasonic Thickness Gauges

for measuring:

- steel
- other metal
- glass
- ceramic
- synthetic wall thicknesses



UTG Alpha
SaluTron[®]

Maximum performance in pocket-size format.

UTG Alpha®

The UTG Alpha® is a highly accurate non-destructive ultrasonic thickness gauge for steel, cast iron, aluminium, glass, ceramics and plastics. The measuring range with the standard sensor N05 is 1.2 to 230 mm in steel. For various applications specific probes with different frequencies and diameters are available, which can be ordered on request. All probes are automatically identified after connection.

Features:

- Memory up to 1980 measurements
- Switch between mm and inch
- Firm and robust aluminium body
- Probe-Zero function
- Two-Point Calibration function
- Single-Point and Scan Mode
- Coupling status indicator
- Battery capacity information
- Operating time: 100 hours (backlight off)
- Possibility for PC-transfer

Technical Specifications	UTG Alpha®
Measuring technique	Measurement of first echo: transmit-receive sensor
Display	128x64 Dot-Matrix LCD with backlight
Measuring range	1.2-230 mm in steel, others depending on test material and chosen sensor
Measuring accuracy	adjustable ± (0.5% thickness ± 0.04) mm
Resolution	0.01 mm, 0.1 mm or 0.001 inch (selectable)
Sound velocity range	1000 to 9999 m/sec.
Measurement speed	4 times/sec. 10 times/sec. in scan mode
Memory	1980 measurements (20 files for 99 values each), automatically or manually
Auto Power Off	after 3 minutes
Coupling indicator	as display symbol
Power supply	2 x 1.5 V alkaline (AA size)
Battery capacity indication	as display symbol
Couplant	dispenser with 100 cm ³
Operating temperature range	-20°C to +60°C
Dimension (L x W x H)	132 x 76.2 x 30 mm
Weight	345 g
Delivery range	standard sensor N05, instrument case, couplant, batteries, screwdriver, manual
Optional accessory	other sensors, USB cable, software

Sensors for UTG Alpha®

Standard Sensor N05 and N05/90°

Suitable for steel, non-ferrous metals, aluminium with its alloys, synthetics, ceramics, glass.

Range:	1.2 – 230 mm in steel
Surface temperature:	-10°C to +50°C
Frequency:	5 MHz
Contact surface diameter (Ø):	10 mm
Connector:	direct, (N05/90°: right angled)

High Temperature Sensor HT5

Suitable for steel, non-ferrous metals, aluminium with its alloys, synthetics, ceramics, glass.

Range:	3 - 200 mm in steel
Surface temperature:	-10°C to +300°C
Frequency:	5 MHz
Contact surface diameter (Ø):	14 mm
Connector:	direct

Special Miniature Sensor N07

For measurements on small pipes, curved material, edges, small contact areas and where the area of accessibility is limited.

Range:	0.75 - 80 mm in steel
Surface temperature:	-10°C to +50°C
Frequency:	7 MHz
Contact surface diameter (Ø):	6 mm
Connector:	right-angled

Cast Iron Sensor N02

For measurements on material with high signal attenuation such as cast-iron and synthetics.

Range:	3 - 300 mm in steel
Surface temperature:	-10°C to +50°C
Frequency:	2.5 MHz
Contact surface diameter (Ø):	14 mm
Connector:	direct

Technical details are subject to change.



GmbH
Production and distribution
of measuring instruments

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D-32107 Frechen • Dr.-Gottfried-Cremer-Allee 30/7
Phone +49 2234 9999960 • Fax +49 2234 9999962
Email: info@salutron.de • www.salutron.de