MESSTECHNIK

SaluTron®

Ultrasonic wall thickness gauge

High accuracy - *even in residual wall thicknesses*

4 different probes - *standard, miniature, high-temperament and cast-iron-testing*

Applicable on a large variety of materials

SA 40

Combination gauge for non-destructive wall thickness measurement

The **SA 40** is a small and handy ultrasonic wall thickness gauge. The smart instrument is capable of measuring the wall thickness of a great variety of metallic and nonmetallic materials e.g.: iron, steel, aluminum, brass, copper, lead, magnesium, nickel, titan, zinc, beryllium, molybdenum, quartz glass, acrylic glass, nylon, polyethylene, polystyrene, silicon and many more.
The usage of different probesensures perfect flexibility at different circumstances for instance when measurements have to be taken at hardly accessible spots or under extreme temperatures.
Through the usage of wall thickness gauges' materials which are exposed to corrosion or erosion can be controlled and thus, their safe usage is guaranteed.

Technical specifications

Technology:	*Measurement of first echo with transmit-receive sensor*
Display:	*4 Digit LCD with backlight*
Measuring range:	*0.7 – 300 mm in steel with PT-5 probe*
Accuracy:	*0.7~9.99mm ±0.05mm / 10~99.99mm ±(0.5%+0.01)mm 100~300mm ±(1%+0.1)mm*
Resolution:	*0,01 mm in the range of 0,7 – 99,99 mm 0,1 mm in the range of 100 – 300 mm*
Memory capacity:	*500 storage places*
Ultrasonic velocity:	*1000 – 9.999 m/sec.*
Unit:	*Inch or mm*
Couping status:	*On the display*
Battery capacity indication:	*On the display*
Automatic shut down:	*After 5 minutes non-use*
Working temperature:	*0 - 40°C*
Relative humidity:	*20 ~ 90%*
Power supply:	*2 pieces 1.5V AA batteries*
Size:	*145 x 68 x 28 mm*
Weight:	*240 g*

Features

- Light, handy and safe in operations
- Large display-screen with automatic lighting
- High accuracy even with residual wall thicknesses
- 4 different probes are available: standard, miniature, high-temperature and cast-iron-testing tip with a 88 cm connection cable
- Fast testing tip change by plug-in contacts
- Ultrasonic manually adjustable up to max. 9,999 m/s. Allows measurements on a variety of materials
- Speed measurement with known wall thicknesses
- Memory holds 40 measurement results
- Units: mm or inch
- Simple calibration with integrated measuring plate
- Battery indicator

Application

- Steel plates
- Finishing parts
- Tubes
- Pressure vessels
- For example in: the petroleum, chemical, metal, shipbuilding and aerospace industry

Probes	Scope of application	Measuring range	Temp. of the work piece	Frequency	Diameter of contact area	Shape of probe
 *PT-5:*	*Stell, non-ferrous metals, aluminium and its alloys, plastics, ceramic, glass etc.*	*0,7 to 300 mm in steel*	*-10°C to +50°C*	*5 MHz*	*10 mm*	*straight*
 *GT-5:*	*Steel, non-ferrous metals, aluminum and its alloys, plastics, ceramic, glass etc.*	*2,5 to 200 mm in steel*	*-10°C to +400°C*	*5 MHz*	*12 mm*	*straight*
 *XT-5:*	*pipes with small diameters, radii, edges, small contact areas and hardly accessible points*	*1 to 30 mm in steel*	*0°C to +50°C*	*5 MHz*	*7 mm*	*rectangular*
 *CT-2,5:*	*Materials with high damping like cast iron, gray cast iron, plastics etc.*	*3 to 225 mm in steel*	*-10°C to +50°C*	*2,5 MHz*	*12 mm*	*rectangular*

Subject to change

Certified according to ISO EN 9001

MESSTECHNIK
SaluTron®
GmbH
Herstellung und Vertrieb von Messgeräten

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