



TQC Sheen Ultrasonic Thickness Gauge Pro

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Reliable and Accurate Thickness Testing

The TQC Sheen Ultrasonic Thickness Gauge Pro is a portable, non-destructive device for measuring the thickness of both metallic and non-metallic materials. Developed by TQC Sheen, this gauge delivers fast and accurate results, essential for multiple industries.

The Importance of Thickness Testing

Thickness testing is vital for assessing material integrity and detecting issues like corrosion or erosion. Industries such as aerospace, automotive, manufacturing, and oil and gas depend on accurate measurements to ensure safety, quality, and prevent failures.

Advanced Capabilities

Utilizing ultrasonic pulse-echo technology, the Ultrasonic Thickness Gauge Pro offers measurements with a tolerance of ± 0.1 mm. It covers a sound velocity range of 1000 - 9999 m/s, with 10 preset velocities, suitable for materials like aluminum, ceramics, glass, plastic, and titanium.

Portable and Durable Design

Lightweight and battery-powered, the gauge is designed for easy use in any environment. It includes an automatic shutdown feature, low-battery indicator, protective case, and instruction manual, making it perfect for on-the-go testing.

Efficient Calibration and Data Management

With automatic calibration, the Ultrasonic Thickness Gauge Pro simplifies testing. Measurements are displayed on a large LCD screen and saved for easy retrieval, offering a seamless solution for continuous testing and data analysis.

Scope of supply:

- 1 x TQC Ultrasonic Thickness Gauge Pro
- 1 x Ultrasonic gel (60 ml)
- 1 x 10mm testing probe (5.0MHz)
- 1 x 10 mm testing probe (2.5MHz)
- 1 x Calibration block
- Instruction manual

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Ordering Information:

Catalog Number Article Description

LD7016	Ultrasonic Thickness Gauge Pro
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Features:

- Non-destructive ultrasonic pulse echo testing
- Clearly displayed results on large LCD screen
- Portable, lightweight and easy to use
- Helpful low battery indicator
- Battery saving auto power shut down
- Simple automatic calibration function

Technical Specification:

Measuring method:	Ultrasonic pulse echo
Measuring frequency:	5MHz / 2.5MHz
Measuring range:	1.20 - 220 mm (steel); actual range varies with the type of material measured
Measuring range (tubes):	20 x 3 mm (steel)
Accuracy:	± 0.1 mm, H denotes the measured thickness
Sound velocity:	1000 - 9999 m/s.
Display:	LCD
Resolution:	0.1 mm
Working temperature:	0 °C ~ 40 °C
Power supply:	3x AAA alkaline batteries (total 5V)
Size:	70 x 135 x 38mm

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