Ultrasonic Thickness Gauge GM-100

Code: GM-100 HSN: 90318000 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Ultrasonic Thickness Gauge GM-100

The AVAIN LABS® Ultrasonic Thickness Gauge GM-100 is a compact and convenient ultrasonic thickness measuring instrument designed for non-destructive measurement of material thickness. It is particularly suitable for measuring the thickness of steel components, tubes, pipes, tanks, and other suitable solid materials without cutting or damaging the test object.

With a measuring range of 1.2 to 225.0 mm for steel, 0.1 mm resolution, and a clear four-digit LCD display, the GM-100 provides a practical solution for thickness inspection and routine measurement applications.

Key Features

- AVAIN LABS® Ultrasonic Thickness Gauge GM-100
- Ultrasonic, non-destructive thickness measurement
- Measuring range: 1.2–225.0 mm (Steel)
- Resolution: 0.1 mm
- Accuracy: ±(1%H + 0.1) mm
- Clear four-digit LCD display
- 5 MHz working frequency
- Sound velocity range: 1000–9999 m/s
- Minimum tube measurement: Ø 20 × 3 mm (Steel)
- Sound velocity can be adjusted when the material thickness is known
- Compact and portable design
- Operates on 3 × 1.5 V AAA batteries

Non-Destructive Thickness Measurement

The AVAIN LABS® GM-100 Ultrasonic Thickness Gauge uses ultrasonic measurement technology to determine material thickness without damaging or cutting the test object. This makes it useful for inspection and measurement of suitable steel components and structures.

Measuring Range & Resolution

The GM-100 provides a measuring range of 1.2 to 225.0 mm for steel, with a resolution of 0.1 mm. This makes the instrument suitable for a variety of routine thickness measurement requirements.

Adjustable Sound Velocity

The instrument offers a sound velocity range of 1000 to 9999 m/s. When the thickness of the test material is known, the sound velocity can be adjusted to suit the material, providing greater flexibility for thickness measurement applications.

Tube Measurement

The minimum tube measuring specification is Ø20 × 3 mm (Steel), making the GM-100 suitable for thickness measurement applications involving appropriately sized steel tubes.

Technical Specifications

Applications

The AVAIN LABS® Ultrasonic Thickness Gauge GM-100 can be used for suitable thickness inspection applications including:

- Steel thickness measurement
- Tube and pipe thickness measurement
- Metal component inspection
- Non-destructive testing
- Engineering inspection
- Manufacturing and fabrication
- Maintenance and quality control
- Laboratory and technical applications
- General material thickness measurement

Compact & Portable Design

With dimensions of just 72 × 146 × 29 mm, the GM-100 is designed for convenient handling and portability. Its battery-powered operation makes it practical for use in different inspection and measurement environments.

Specifications

Product Name	Ultrasonic Thickness Gauge
Model	GM-100
Brand	AVAIN LABS®
Measuring Range	1.2–225.0 mm (Steel)
Resolution	0.1 mm
Accuracy	±(1%H + 0.1) mm
Display	Four-Digit LCD Display
Working Frequency	5 MHz
Sound Velocity	1000–9999 m/s
Minimum Tube Measurement	Ø20 × 3 mm (Steel)
Sound Velocity Setting	Adjustable with known thickness
Operating Temperature	0–40°C
Power Supply	3 × 1.5 V AAA Batteries
Dimensions	72 × 146 × 29 mm

Available models (3)

Cat. No.	Model / Size	Size	Meas...	Reso...	Accu...	HSN
GM-100-S1	Small	Small				90318000
GM-100-S2	Large	Large				90318000
GM-100	1.2 ~ 225.0 mm (Steel), 0.1 mm, ±(1%H+0.1) mm (H denotes measured thickness of the object), Four-digit LCD display, 5 MHz, Range: 1000 to 9999 m-s, Ø		1.2 ~ ...	0.1 mm	±(1%...	90318000

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