GM100 ultrasonic thickness meter
Ultrasonically measure thickness of various materials

The GM100 Digital Ultrasonic Thickness Meter is an intelligent micro processor controlled digital instrument that that adopts the ultrasonic measuring principle. It offers immediate and precise measurements with a measurement range of 1.20~225.00mm and velocity range of 1000~9999m/s. It can measure thickness of almost any material that conducts and reflects constant sonic velocity. This is an excellent complimentary accessory and solution for ultrasonic flow meters, used particularly for measurement of pipe thickness as otherwise you often cannot manually measure 'in service' pipeline thicknesses. But it's got many other uses in manufacturing, metal processing, commercial inspections and more!

FEATURES:

- Backlit LCD display
- It can measure thickness of almost any material that conducts and reflects constant sonic velocity
- A wide measurement range with high accuracy
- Auto calibration function to ensure accuracy
- Auto linear compensation
- Use up and down keys to make a quick adjustment for the sound velocity/thickness and a quick recall to stored data
- Coupling status indication: Observe the coupling icon to determine if coupling is accomplished or not
- 10 thickness measurement storage and recall function
- Sound velocity measurement: with a known/given thickness you can measure the sound velocity of that material.
- Low battery indication with auto power off function designed to conserve battery life
- Retains all of its settings even when powered off

INCLUSIONS:

- 1 x Ultrasonic Thickness Meter
- 1 x 10mm, 5MHz Transducer probe
- 1 x 4mm Sample Block
- 1 x Operating Manual
- 1 x Case

NOT INCLUDED:

- You will also need something to use as a "coupling compound", Zedflo uses and recommend 'Superlube multi purpose grease' available at additional cost.
- 3x AAA batteries are needed

SPECIFICATIONS:

- LCD Digital display: 4 digits
- Resolution: 0.1mm
- Working frequency: 5MHz
- Measurement Range: 1.2~225.0mm
- Sound Velocity Range: 1000~9999m/s
- Thickness measurement Accuracy: ± (1% H + 0.1 mm) (H denotes the measured thickness)
- Can measure Sound Velocity with a given thicken (Measuring range 1000~9999m/s)
    - When the thickness of the test item <20mm the accuracy of sound velocity measurement is ±1%
    - When the thickness of the test block is >20mm, the accuracy of sound velocity measurement is ±5%
- Operating Temperature: 0~40°C (32~104°F)
- Power supply: 3x1.5 AAA Alkaline Batteries (not included)
- Size: approx. 72 x 146 x 29mm
- Weight: approx. 202g (probe included)

PICTURES:

Note: Style / Colour / Case may vary from photos shown