

ULTRASONIC THICKNESS GAUGE UTG-8



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PURPOSE

The UTG-8 is a precision Ultrasonic thickness gauge. Based on the same operating principles as SONAR, the UTG-8 is capable of measuring the thickness of various materials with accuracy as high as ± 0.001 inches, or ± 0.03 millimeters. The principal advantage of ultrasonic measurement over traditional methods is that ultrasonic measurements can be performed with access to only one side of the material being measured.

DISTINCTIVE FEATURES:

- Plastic case. (alkaline) for 200 hours.
- Size: 125 W x 70 H x 35 D mm. • Compact for transportation and operation.
- This is a small-sized portable thickness gauge, which operates on three "AAA" batteries • Warranty 18 months.

APPLICATION:

- Corrosion & Pitting, Tube & Pipe, Tanks, Boilers, Glass, Various Applications.

UTG 8 SPECIFICATIONS

PHYSICAL

- **Weight** _____ 176 g
- **Size** _____ 125 W x 70 H x 35 D mm
- **Operating Temperature** _____ minus 20 to plus 50 °C
- **Case** _____ Plastic
- **Keypad** _____ Sealed membrane, resistant to water and petroleum products.
- **Power Source** _____ Three "AAA" size, 1.5 volt alkaline or 1.2 volt NiCad cells. 200 hours typical operating time on alkaline, 120 hours on NiCad.
- **Display** _____ FSNT/POSITIVE Liquid-Crystal-Display, size 30 mm (Height) x 25 mm (Width)

MEASURING

- **Range** _____ 0.025 to 19.999 inches (0.6 to 500 mm)
- **Resolution** _____ 0.001 inch (0.03 millimeter)
- **Accuracy** _____ ± 0.001 inch (0.03 millimeter), depends on probe material and conditions
- **Sound Velocity Range** _____ 0.0492 to 0.3930 in/ms (1250 to 10000 m/s)



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