

ULTRASONIC THICKNESS GAUGE

UTG8



OKOndt GROUP
www.oko-ndt.com

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 ± 0.01 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.
- Size: 125 W x 70 H x 35 D mm. This is a small-sized portable thickness gauge, which operates on three "AAA" batteries (alkaline) for 200 hours.
- Compact for transportation and operation.
- 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 _____ 20 to 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 (0.01 millimeter)
- Accuracy _____ ± 0.001 inch (0.01 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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