The compact Model UTG Ultrasonic Thickness Gage can measure the thickness of a variety of materials. The UTG has a wide range of applications including industrial, automotive, HVAC, and plumbing. The UTG reads in inches or millimeters and features an adjustable sound velocity to allow for an array of materials to be measured. The UTG is useful when using any pipe-mount ultrasonic transmitter. The UTG allows the user to find the wall thickness of the pipe when programming an ultrasonic transmitter without cutting or removing a section of the pipe to measure it. The UTG is also great for monitoring corrosion in closed vessels such as boilers and chemical tanks.

**SPECIFICATIONS:**
- **Service:** Steel, cast iron, aluminum, red copper, brass, zinc, quartz glass, polyethylene, PVC, gray cast iron, nodular cast iron, other. Selectable option for special materials with known sound propagation rate.
- **Range:** 0.047 to 7.874˝ (1.2 to 200 mm).
- **Accuracy:** ±0.5%.
- **Resolution:** 0.001˝ / 0.1 mm.
- **Sound Velocity:** 1118 to 20132 mph (500 to 9000 m/s).
- **Temperature Limits:** 32 to 122°F (0 to 50°C).
- **Humidity Limit:** < 80%.
- **Display:** 4 digits, 0.394˝ (10 mm) LCD.
- **Power Requirement:** (4) 1.5 V AAA alkaline batteries, not included, user replaceable.
- **Weight:** 5.78 oz (164 g).
- **Agency Approvals:** CE.

**The Series ULF** is an ultrasonic continuous flow measurement transmitter perfect for maintenance free, non-contact measurement of open channels. This series operates on ultrasonic technology and offers dependable, highly accurate measurements. The ULF features easy programming with a 4 digit LCD screen and a simple menu format. It is perfect for direct installation over flumes and weirs and compensates for virtually all environmental conditions such as vapors, gases, temperature variations, and wind. The weatherproof NEMA 4 body makes this unit ideal for any flow measurement situation.

**FEATURES**
- High accuracy (0.25% of max. range)
- Automatic ambient temperature compensation
- ABS & UV resistant body
- Programmed with standard weir and flume sizes

**SPECIFICATIONS**
- **Service:** Compatible liquids.
- **Wetted Materials:** Sensor: Polypropylene; Acoustic window: ECTFE.
- **Ranges:**
  - ULF-X1-XXX: 0.82 to 16.4 ft (0.25 to 5 m).
  - ULF-X2-XXX: 1.96 to 49.2 ft (0.6 to 15 m).
- **Accuracy:** 0.25% of max. range (at 20°C).
- **Resolution:** 0.04˝ (1 mm).
- **Blind Zone:**
  - ULF-X1-XXX: 0.8 ft (0.25 m);
  - ULF-X2-XXX: 1.96 ft (0.6 to 15 m).
- **Beam Angle:** 5° @ 3 db point.
- **Temperature Limits:** -40 to 158°F (-40 to 70°C).
- **Temperature Compensation:** Automatic.
- **Pressure Limits:** 13.5 to 30 psi (0.9 to 2 bar).
- **Power Requirement:** 18 to 28 VDC.
- **Output Signal:** 4 to 20 mA.
- **Loop Resistance:** Max. 727 Ω @ 28 VDC.
- **Electrical Connections:** Screw terminal.
- **Conduit Connection:** 1/2˝ NPT, cable gland (optional).
- **Enclosure:** Plastic enclosure: ABS & UV resistant body.
- **Enclosure Rating:** NEMA 4 (IP65).
- **Mounting Orientation:** Vertical.
- **FailSafe:** 3 min delay before transmission of an error signal.
- **Memory:** Non-volatile.
- **Display:** 4 digit LCD.
- **Units:** ft, m (optional).
- **Programming:** 4 button.
- **Weight:** 3.1 lb (1.4 kg).