

# Ultrasonic Thickness Gauge

## Features UTG Std Model:

- Measures the wall thickness of materials such as steel, cast iron, plastic and more
- Ideal for measuring the effects of corrosion or erosion on tanks, pipes or any structure where access is limited to one side
- 5 MHz dual element transducer
- Automatic V-path compensation for thin materials
- Zero plate for automatic zeroing
- Scan Mode has a measurement rate of 20 readings per second with on-screen max and min for quick inspection over a large area

## Features UTG ME Model:

- Features Thru-Paint capability to quickly and accurately measure the metal thickness of a painted structure without having to remove the coating
- Ideal for measuring sandblasted material or other applications requiring a more durable wear face
- 5 MHz contact probe with wear resistant Alumina probe tip
- Built-in temperature compensation
- Toggle easily between Single Echo mode (detects pits and flaws and increases measurement range); and Multiple Echo mode (averages 3 or more echoes to eliminate coating thickness)

## Common Features

- Large, easy-to-read graphical LCD with selectable display language and backlight
- Flip display enables right-side-up viewing whether the gauge is in your hand or on an a work table
- Impact and scratch-resistant Lexan® display
- Inch/mm switchable
- Two-button menu-driven user interface
- Pre-programmed velocities: simply select from a list of common materials or enter your own with ease
- RESET feature instantly restores factory settings
- HiLo Alarm dual-tone alarm and bi-colour indicator light audibly and visibly alerts when measurements exceed operator selected limits
- Internal memory stores up to 10,000 readings in up to 1,000 batches
- Built-in clock dates and time stamps each stored measurement
- USB and IR ports for downloading to a PC or printer
- Single or two-point adjustment
- Solvent, acid, oil, water and dust resistant, meets or exceeds IP5X ingress protection
- Gauge comes complete with probe, couplant, protective rubber holster with belt clip, 3 "AAA" batteries, nylon carrying case with shoulder strap, instructions and NIST traceable certificate of calibration

## Specifications:

|                    |                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Measurement Range: | <b>UTDSTD:</b> 0.040-5.000"/1.00-125.00mm<br><b>UTGME:</b> Single Echo: 0.100-5.000"/2.50-125.00mm; Multiple Echo: 0.100-2.500"/2.50-60.00mm |
| Accuracy:          | ±0.001"/±0.03mm                                                                                                                              |
| Resolution:        | 0.001"/0.01mm                                                                                                                                |
| Measurement Rate:  | Normal: 6 readings/sec.;<br>Scan: 20 readings/sec.                                                                                           |
| Power Supply:      | 3 type "AAA" alkaline batteries                                                                                                              |
| Dimensions:        | 146 x 64 x 31mm (5.75 x 2.5 x 1.2")                                                                                                          |
| Weight:            | 165g (5.8 oz)                                                                                                                                |



| Model             | Description                           | Price         |
|-------------------|---------------------------------------|---------------|
| <b>UTGSTD</b>     | Standard Ultrasonic Thickness Gauge   | <b>\$1249</b> |
| <b>UTGME</b>      | Thru-Paint Ultrasonic Thickness Gauge | <b>\$2127</b> |
| <b>UTG-CTB</b>    | Calibration Test Block                | <b>\$316</b>  |
| <b>IR-PRINTER</b> | Infrared Printer                      | <b>\$357</b>  |
| <b>POSISOFT</b>   | PosiSoft® Analysis Software           | <b>\$137</b>  |
| <b>COUPLANT</b>   | Ultrasonic Couplant Gel, 4 oz/113ml   | <b>\$14</b>   |
| <b>42-901</b>     | Ultrasonic Couplant Gel, 1 gal.       | <b>\$59</b>   |
| <b>62-001</b>     | Ultrasonic Couplant Powder, 1 gal.    | <b>\$13</b>   |
| <b>4-STEP I</b>   | 4-Step Imperial Calibration Block     | <b>\$157</b>  |
| <b>5-STEP I</b>   | 5-Step Imperial Calibration Block     | <b>\$157</b>  |