

# TI-25PX

## Economical Ultrasonic Wall Thickness Gauge

### Features

#### Total Measuring Range \*

0.025 - 36.000 in / 0.63 - 914.4mm

#### Measuring Range on Steel \*\*

0.025 - 6.00 in / 0.60 - 150.0mm

- Includes NIST traceable calibration certificate
- 5-year warranty, CE-Certified and Made in USA
- Resolution of 0.001 inch (0.01 mm)
- Switch-selected units (inches or mm)
- Selectable Backlight ON/OFF/AUTO
- Acoustic velocity (calibration) is manually adjusted via the keypad
- Special-purpose probes offered for a variety of applications (1 to 10 MHz)
- The transducer (probe) is waterproof and submersible in shallow water
- The extruded aluminum housing is impact-resistant and environmentally sealed (IP 65) for trouble-free operation under toughest field conditions
- For underwater surveying, a 50 ft (15 m) underwater probe/cable is available as an option
- High visibility LCD display is readable in all lighting conditions and temps as low as 22 °F (-30 °C)
- LCD shows thickness value, velocity setting, stability indicator, battery indicator and units
- Two (2) AA batteries provide 45 hours continuous operation

\* Depends on material and transducer/probe type

\*\* With standard T-102-2000 probe

The Checkline TI-25PX Wall Thickness Gauge is designed for measuring wall thickness and the extent of corrosion on a wide range of materials. It is commonly used to check the thickness of pipes, tanks, plates and other objects. It is designed and built to withstand harsh industrial conditions and is backed by a 5-year limited warranty.

The TI-25PX allows the operator to adjust the acoustic velocity (speed of sound through a given material). The programmed velocity can be locked to prevent accidental adjustment. It is commonly used for applications where only a single material type is tested.



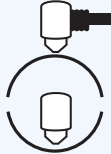
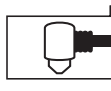

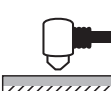
**Complete Kit:** The TI-25PX is supplied as a complete kit with the gauge, probe, 4 oz. bottle of coupling fluid, 2 AA batteries, NIST-traceable calibration certificate, and operating Instruction manual—all in a foam-fitted carrying case.



<b>Total Measuring Range (Steel)</b>	0.025 – 36.000" (0.63 – 914.4mm) depends on material and transducer/probe type	<b>Temp. Limits</b>	<i>Ambient:</i> –22 to 167 °F (–30 to 75 °C) <i>Material:</i> 0 to 200 °F (–20 to 100 °C) High temperature probes available
<b>Measuring Range (Steel)</b>	0.040-6.000" (1.00 –150.0mm) with standard transducer T-102-2000	<b>Battery Type</b>	2x AA batteries (rechargeable batteries can be used)
<b>Resolution</b>	0.001" (0.01mm)	<b>Battery Life</b>	45 hours continuous use
<b>Measuring Mode</b>	Pulse-Echo (P-E)	<b>Housing</b>	Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed)
<b>Velocity Range</b>	0.0120 to .7300 in/μs. 305 to 18,542 meters/sec	<b>Housing Rating</b>	IP65
<b>Probe (Standard)</b>	1/4", 5 MHz Dual Element Transducer, actual wearface is 5/8" (17mm), p/n T-102-2000	<b>Keypad</b>	Sealed membrane that is resistant to both water and petroleum products Seven or eight tactile-feedback keys
<b>Cable</b>	4 ft. (1.2 m) waterproof cable with non-polarized, quick-disconnect connectors	<b>Weight</b>	11 oz. (308 grams)
<b>Probes (optional)</b>	1 to 10 MHz, 3/16" up to 1 inch (custom probes available)	<b>Pulse Repetition Frequency (PRF)</b>	200 Hz (200 pulses/sec)
<b>Probe Wearface</b>	PEEK (Polyethylethylkytone)	<b>Dimensions</b>	2.5" x 5.17" x 1.25" (63.5 x 131.3 x 31.5mm)
<b>LCD Display</b>	Multi-function 7 segment 4.5 digit liquid crystal display with 0.500" digit height. Two 0.125 in14 segment fields for labels and values, and one 7 segment field for labels and values. Additional icons to indicate features and modes	<b>Accessories</b>	Probe/cable assembly, 4 oz. bottle of coupling fluid, NIST Calibration Certificate, 2 AA batteries, operating instructions, hard-plastic carrying case.
<b>Display Backlight</b>	Backlight is selectable on/off/auto, and selectable brightness (Lo, Med, Hi)	<b>Certifications</b>	NIST Traceable and MIL-STD-45662A
<b>Display Update Rate</b>	10 Hz (10 updates/sec)	<b>Warranty</b>	<i>Gauge:</i> 5 Years <i>Probes:</i> 90 Days



## Measuring Limits

	Minimum Radius for Convex Surfaces	0.350" (8.89mm)
	Minimum Radius for Concave Surfaces	3" (76.2mm)
	Minimum Headroom	1" (25.0mm)
	Minimum Sample Diameter	0.150" (3.8mm)
	Minimum Substrate Thickness - F	na
	Minimum Substrate Thickness - NFe	na

## Related Products

<b>SB-Series Certified Steel Test Blocks</b>	<ul style="list-style-type: none"> <li>Precision Machined and Finished</li> <li>Includes Wooden Storage Box</li> <li>Includes NIST Traceable Calibration Certificate</li> </ul>
<b>TICC-M Protective Holder for Ultrasonic Gauges</b>	<ul style="list-style-type: none"> <li>Constructed from heavy-duty Cordura Nylon</li> <li>Built-in belt loop</li> </ul>
<b>V-Block Ultrasonic Transducer Holder</b>	<ul style="list-style-type: none"> <li>For 3/16" &amp; 1/4" Transducers only</li> </ul>
<b>SB Step Block Steel Test Blocks without certification</b>	<ul style="list-style-type: none"> <li>Fabricated from 1018 Steel</li> <li>Supplied without certification</li> </ul>
<b>CF-12 Coupling Fluid</b>	<ul style="list-style-type: none"> <li>Temp Range: 0 - 200 °F, -18 - 93 °C</li> </ul>
<b>TI-25-UW-50 50 Ft. Underwater Probe / Cable Assembly</b>	<ul style="list-style-type: none"> <li>50 Ft. Length, Waterproof Probe/Cable assembly with non-polarized, Dual-Lemo connectors.</li> </ul>