



PRECISION QUALITY CONTROL INSTRUMENTS SINCE 1958

**CHECKLINE®**  
MADE TO MEASURE

## Features

### Total Measuring Range

0.040 - 6.000 in / 1.00 - 150.0mm

### Resolution

0.005 in / 0.05mm

- Includes NIST traceable Calibration Certificate
- 5-year warranty, made in USA
- The transducer (probe) is waterproof and can be submerged in shallow water
- Special-purpose probes are offered for a variety of applications (1 to 10 MHz)
- Switch-selected units (inches or mm)
- The extruded aluminum housing is impact-resistant and environmentally sealed (IP 65) to provide trouble-free operation under the toughest field conditions
- 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
- Acoustic Velocity (calibration) is manually adjusted via the keypad
- Two (2) AA batteries provide 45 hours of continuous operation
- Selectable Backlight ON/OFF/AUTO

# TI-25LTX

## Steel Only Ultrasonic Wall Thickness Gauge

The Checkline TI-25LTX is a simple to use wall thickness gauge designed for measuring wall thickness and the extent of corrosion of steel. It is commonly used for checking 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-25LTX has a fixed velocity of .2330 in/μs. / 5920 meters/sec which is the speed sound travels through common steel. It can't be adjusted for any other materials other than steel.




**Complete Kit:** The TI-25LTX 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.



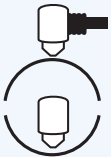
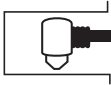

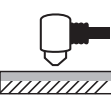
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# Specifications

<b>Range in Steel</b>	0.040" – 6.000" (1.00-150.0mm) with standard transducer (probe). Overall range of gauge is 0.025" up to 36" (0.63 up to 914mm) Depends on transducer	<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>Resolution</b>	0.005 inch (0.05 mm)	<b>Housing</b>	Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed)
<b>Display Backlight</b>	Backlight is selectable on/off/auto, and selectable brightness (Lo, Med, Hi) options	<b>Warranty</b>	Gauge: 5 Years Probes: 90 Days
<b>Velocity Range</b>	fixed at 2330 in/μs. / 5920 meters/sec	<b>Certifications</b>	NIST Traceable and MIL-STD-45662A
<b>Probe (standard)</b>	1/4", 5 MHz Dual Element Transducer, actual wearface is 5/8" (17mm), p/n T-102-2000	<b>Housing Rating</b>	IP65
<b>Probe Wearface</b>	PEEK (Polyethylethylkytone)	<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. (2m) waterproof cable with non-polarized, quick-disconnect connectors	<b>Probes (optional)</b>	1 to 10 MHz, 3/16" up to 1 inch (custom probes available)
<b>Temp. Limits</b>	Ambient: -22 to 167° F (-30 to 75° C) Material: 0 to 200° F (-20 to 100° C) High temperature probes available	<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>Battery Type</b>	2x AA batteries (rechargeable batteries can be used)	<b>Display Update Rate</b>	10 Hz (10 updates/sec)
<b>Battery Life</b>	45 hours continuous use	<b>Pulse Repetition Frequency (PRF)</b>	200 Hz (200 pulses/sec)
<b>Weight</b>	11 oz. (308 g)		
<b>Dimensions</b>	2.5" x 5.17" x 1.25" (63.5 x 131.3 x 31.5mm)		

## 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 - NF <sub>e</sub>	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>