

Low Cost, Ultrasonic WALL THICKNESS GAUGE

TI-25LT

Measuring Range

0.040 – 6.000 inches
1.00 – 150.0 mm

The new CHECK•LINE® TI-25LT Wall Thickness Gauge accurately measures wall thickness and the extent— *from only one side!*

Standard configuration: In its standard configuration, the TI-25LT is factory set to measure steel only.

Optional configuration: As a “no cost” option, the TI-25LT can be factory set to measure on any other single material instead of steel.*

Easy upgrade to full TI-25M

functionality (refer to separate data sheet). TI-25M measures on all metals, ceramics, glass and most rigid plastics. It provides *Single Reading* and *Scan* modes, where the probe is dragged over a large measuring area. The minimum reading recorded during the “scan” is displayed.



Upgrade requires factory installation of enhanced circuit board, new firmware and keypad.



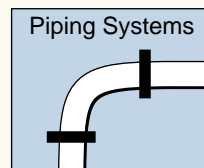
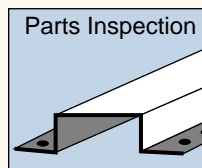
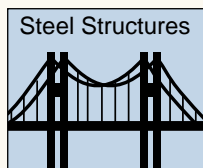
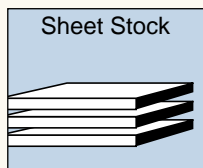
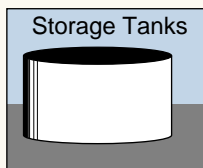
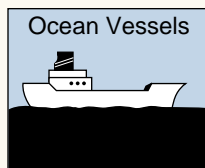
FEATURES

- Resolution of 0.004 inch (0.04 mm)
- Large, backlit LCD display retains last reading
- Simple operator controls virtually eliminate training
- Special-purpose probes are offered for a variety of applications
- Switch-selected units for *inches* or *mm*
- For underwater surveying, probe cable lengths up to 50 feet are optionally available
- The TI-25LT probe is waterproof and can be submerged in water
- The gauge is impact-resistant and environmentally sealed to provide trouble-free operation under the toughest field conditions

TI-25LT

Data & Specifications

Typical Applications



Specifications

Range*	0.040–6.00" (1.00–150.0 mm) Other ranges available with optional probes.
Resolution	.004" (0.04 mm)
Display	4 1/2 -Digit, 0.5" Backlit LCD
Velocity Range	.0787–.3937 in/μs (2000–10,000 m/sec.)
Probe	1/4", 5 MHz, actual wearface is 3/8" (9.5mm)
Probe Wearface	PEEK (Polyethylethylkeytone)
Cable	4 ft. (1.2 m) waterproof cable with non-polarized, quick-disconnect connectors. Optional lengths up to 50 ft. (15 meters).

Temp. Limits	Ambient: –20 to 120 °F (–30 to 50 °C) Material: 0 to 200 °F (–20 to 100 °C) Special high temperature probes are optionally available.
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Battery Type	Two AA batteries
Battery Life	200 hours
Weight	710 ounces (280 g)
Size	2.5 x 4.5 x 1.25" (64 x 114 x 32 mm)

Accessories Included	Probe/cable assembly, 4 oz. bottle of coupling fluid, NIST Calibration Certificate, 2 AA batteries, operating instructions, hard-plastic carrying case.
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Warranty	Gauge: 5 years Probe: 90 days
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*Measuring Range indicated is for steel. Actual range for other materials will vary based upon the material's sonic velocity and attenuation.

Specifications subject to change without notice.

TI-25LT Complete Kit



The TI-25LT is supplied as a complete kit with the gauge, probe, 4 oz. bottle of coupling fluid, 2 AA batteries, NIST Calibration Certificate and Operating Instruction Manual — all in a foam-filled carrying case.

Measuring Limits

Application	Limits	Dimensions
	Minimum radius for convex surfaces Minimum radius for concave surfaces	0.350" (8.9mm) 6" (150mm)†
	Minimum headroom	1" (25mm)
	Minimum sample diameter	0.150" (3.8mm)

† Probe surface can be rounded to allow it to lie flat in small pipes to 1"

CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

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