

Low Cost

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 of corrosion—*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 stainless 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.

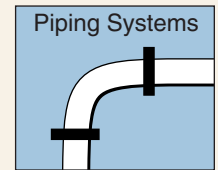
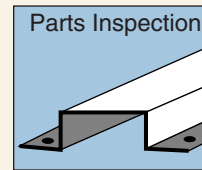
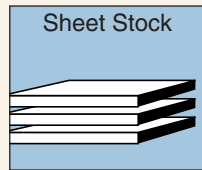
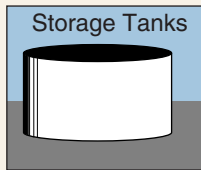
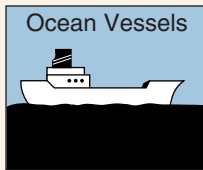
PERFORMANCE
AND FEATURE
UPGRADE AVAILABLE



FEATURES

- Resolution of 0.004 inch (0.01 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

Typical Applications



Specifications

Range* 0.040–6.000" (1.00–150.0 mm)
Other ranges available with optional probes.

Resolution 0.004" (0.01 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.

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.

Warranty Gauge: 5 years
Probe: 90 days



*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	0.350" (8.9mm)
	Minimum radius for concave surfaces	6" (150mm)†
	† Probe surface can be rounded to allow it to lie flat in small pipes to 1"	
	Minimum headroom	1" (25mm)
	Minimum sample diameter	0.150" (3.8mm)