

# Ultrasonic WALL THICKNESS GAUGE

## TI-25M

### Measuring Range

0.025 – 6.000 inches

0.60 – 150.0 mm

The new CHECK•LINE® TI-25M Wall Thickness Gauge accurately measures wall thickness and the extent of corrosion of all metals, ceramics, glass and most rigid plastics — *from only one side!*

The TI-25M can be used in a *Single Thickness Reading* mode or in a *Scan* mode, where the probe is dragged over a large measuring area. The minimum thickness reading recorded during the “scan” will be displayed.

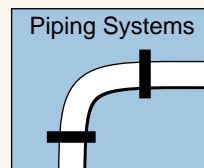
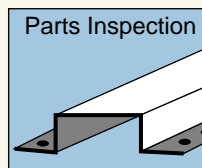
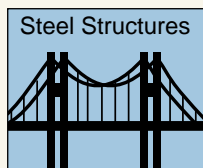
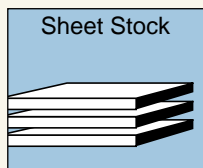
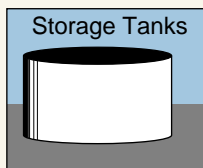
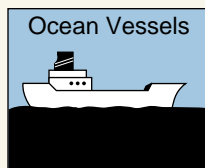
The TI-25M probe is waterproof and can be submerged in water. The gauge is impact-resistant and environmentally sealed to provide trouble-free operation under the toughest field conditions.



### FEATURES

- Resolution of 0.001 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
- CE certified

## Typical Applications



## Specifications

<b>Range*</b>	0.025–6.00" (0.60–150.0 mm) Other ranges available with optional probes.
<b>Resolution</b>	.001" (0.01 mm)
<b>Display</b>	4 1/2 -Digit, 0.5" Backlit LCD
<b>Velocity Range</b>	.0787–.3937 in/μs (2000–10,000 m/sec.)
<b>Probe</b>	7.5 MHz, 0.25" Diameter (6.35 mm)
<b>Probe Wearface</b>	PEEK (Polyethylethylkeytone)
<b>Cable</b>	4 ft. (1.2 m) waterproof cable with non-polarized, quick-disconnect connectors. Optional lengths up to 50 ft. (15 meters).

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

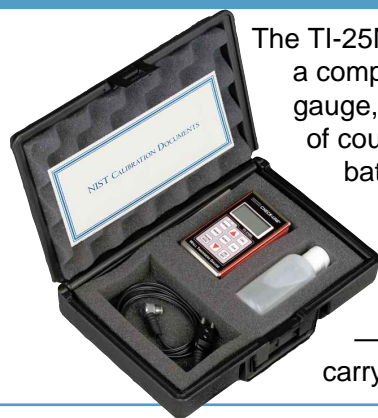


<b>Accessories Included</b>	Probe/cable assembly, 4 oz. bottle of coupling fluid, NIST Calibration Certificate, 2 AA batteries, operating instructions, hard-plastic carrying case.
<b>Warranty</b>	<u>Gauge:</u> 5 years <u>Probe:</u> 90 days

\*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-25M Complete Kit



The TI-25M 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)†
	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"