

Precision WALL THICKNESS GAUGE

TI-007 Series

Measuring Range

0.0060 – 1.000 inches
0.15 – 25.4 mm

The new CHECK·LINE® TI-007 Series accurately measures wall thickness and extent of corrosion on all metals, ceramics, glass and most rigid plastics—from *only one side!*

The gauge can be used in a *Single Thickness Reading* mode and three alternative modes—scan, differential and alarm. The *Scan* mode permits the user to drag the probe over a large measuring areas where the minimum thickness encountered during the scan is displayed. The *Differential* mode displays the difference (“+”) or (“-”) from a user set nominal value. The *Alarm* mode provides a visual and audible alert if the thickness measured is above or below a user set range.

Datalogging Model: The TI-007DL has an RS232 serial port for connection to a computer or external storage device. Windows compatible data transfer software is supplied at no additional charge.

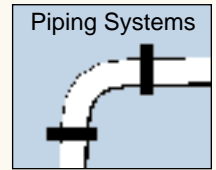
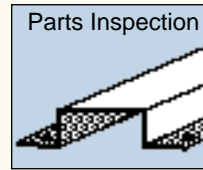
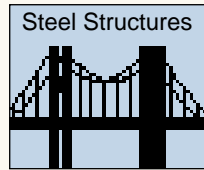
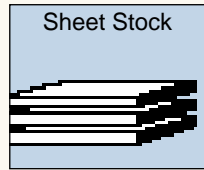
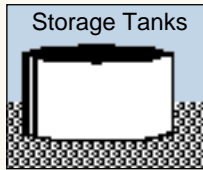
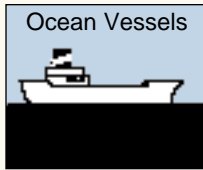
TI-007 gauges are impact resistant and environmentally sealed to provide trouble-free operation under the toughest field conditions.



FEATURES

- Resolution of 0.0001 inch (0.001 mm)
- Large, backlit LCD display retains last reading
- Switch-selected units for *inches* or *mm*
- Memory for 1000 data points in up to 10 batches (TI-007DL only)
- RS-232C Serial output for downloading stored data to a printer or computer (TI-007DL only)
- Special-purpose probes are offered for a variety of applications
- Windows compatible data transfer program supplied at no additional cost (TI-007DL only)

Typical Applications



Specifications

Range* 0.0060-1.0000" (0.15-25.40 mm)
Other ranges available with optional probes.

Resolution .0001" (0.001 mm)

Display 4 1/2 -Digit, 0.5" Backlit LCD

Velocity Range 6,500-33,000 ft./sec (1250-10000 m/sec.)

Probe 1/4", 15 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)

Test Block 0.250" (6.35 mm) steel plate built into the front of housing.

Serial Output RS-232C (8, N, 1, user-set baud rate)

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 150 hours

Weight 10 ounces (280 g)

Size 2.5 x 4.51 x 1.24" (63.5 x 114.3 x 31.5 mm)

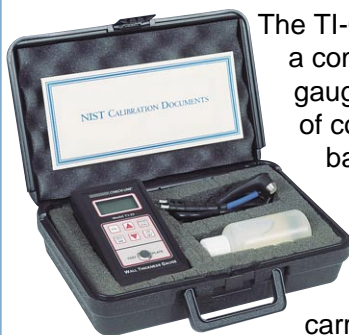
Warranty Gauge: 5 years
Probe: 90 days



*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-007 Complete Kit



The TI-007 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. DL version includes software and connection cable.

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)