

# Ultrasonic WALL THICKNESS GAUGE

## TI-45N

### Measuring Range

0.040 – 8.000 inches

1.00 – 200.0 mm

The new CHECK·LINE® TI-45N Ultrasonic Wall Thickness Gauge accurately measures wall thickness and the extent of corrosion on all metals, ceramics, glass and most rigid plastics — *from only one side!*

### FEATURES

- Resolution of 0.001" (0.01mm)
- Extremely compact & lightweight
- Switch-selected units of *inches* or *mm*
- Built-in calibration test plate
- Quick display update with last reading retained on the display
- Display symbols alert user to poor coupling and low battery conditions
- Operates for 200 hours on a single AA battery



The attractive, ergonomic housing design is very compact, lightweight and rugged. It fits comfortably in the palm of your hand and incorporates a back light that illuminates the LCD in poorly lit areas.



# TI-45N

# Data & Specifications

## TI-45N Complete Kit

The TI-45N is supplied as a complete kit with the gauge, wrist strap, probe, cable assembly, 2 oz. bottle of coupling fluid, battery and instruction manual — all supplied in a fitted, hard-plastic carrying case.

Option: attachment for measuring pipes and tubes.



## Specifications

**Range (steel)** 0.040–8.00 (1.00 to 200.0mm)

**Resolution** 0.001" (0.01mm)

**Display** 4-1/2 digit, 0.5" backlit LCD

**Velocity Range** 3,250–39,000 ft/sec  
(1,000–12,000 m/sec),

**Probe** 5 MHz, 0.39" (10mm)

**Cable** 39" (1 meter) 2-wire cable with locking, quick-disconnect connectors,

**Minimum Pipe Size** 1" nominal (30mm) steel pipe

**Temp. Limits** Ambient: 25° to 125° F (–5° to 50° C)  
Material: 15° to 140° F (–10° to 60° C)

**Calibration Plate** 0.197" (5 mm) steel plate, built into the front of the housing

**Battery Type** One AA battery (1.5 V)

**Operating Time** 200 hours continuous



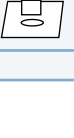

**Weight** Meter: approx. 6 oz. (150g)  
Probe: approx. 2 oz. (50g)

**Size** 5.2" x 2.6" x 1" (137 x 66 x 25mm)

**Warranty** Gauge: 1 year  
Probe: 90 days

**Accessories Included** Fitted, hard-plastic carrying case, 2 oz. bottle of coupling fluid, battery and operating instruction guide

## Measuring Limits

Application	Limits	Dimensions
	Minimum radius for convex surfaces	1" (25.4mm)
	Minimum radius for concave surfaces	3" (76.2mm)
	Minimum headroom	3" (76.2mm)
	Minimum sample diameter	0.5" (12.7mm)

\*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.

## CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

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