

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.



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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



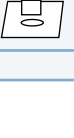

Weight Meter: approx. 6 oz. (150g)
Probe: approx. 2 oz. (50g)

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.

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