Ultrasonic Wall Thickness Gauge

Model TI-44N

Measuring Range
0.040 to 8.000 inches
(1.0 to 200.0mm)

- Resolution of 0.001" *(0.01mm)*.
- Switch-selected units of inches or mm.
- Fixed-mounted probe is connected to the gauge with a 39" *(1m)* long flexible cable.
- Extremely compact & lightweight.
- Built-in calibration test plate on front of gauge housing.
- Quick display update with last reading retained on the display.
- Display symbols alert user to poor coupling and low battery conditions.
- NIST-Traceable Calibration Certificate & Test Report is **optionally** available.

The new CHECK-LINE TI-44N Ultrasonic 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 attractive, ergonomic housing design is extremely 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.

This product is similar to our TI-45N, however the probe is hard-wired to the gauge and is **NOT** removable as with the TI-45N.





Supplied with a 5 MHz – 10mm diameter dual-element probe.

Distributed by: ABQ Industrial LP USA
Tel: +1 (281) 516-9292 / (888) 275-5772 **eFax:** +1 (866) 234-0451
Web: https://www.abqindustrial.net **E-mail:** info@abqindustrial.net

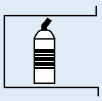
TI-44N Specifications

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)*, continuously adjustable
Probe	5 MHz, 0.39" *(10mm)* diameter
Cable	39" *(1m)* 2-wire long cable fixed-mounted to gauge body
Min. 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	0.250" *(6.35 mm)* steel plate, built into the front of the housing
Battery Type	One AA battery (1.5 V)
Operating Time	200 hours continuous
Weight (Gauge)	Approx. 7 oz. *(200g)*
Size	5.2" x 2.7" x 1" *(137 x 66 x 25mm)*
Warranty	Gauge: 1 year Probe: 90 days
Accessories Included	2 oz. bottle of coupling fluid, batteries and operating instruction guide

**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.

Measuring Limits

Applications	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)*



Complete Kit

The TI-44N is supplied as a complete kit with the gauge and wrist strap, probe and cable assembly, two ounce bottle of coupling fluid, batteries and instruction manual.

Related Products

TI-45N Ultrasonic Wall Thickness Gauge

- Resolution of 0.001" *(0.01mm)*.
- Removable cable and probe.



NIST-Traceable Steel Test Block

3 Sizes Available

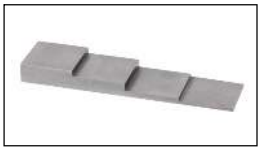
- Precision machined and finished.
- Includes NIST-Traceable report and test data.
- Includes wooden storage box.



Uncertified Steel Test Block

For Ultrasonic Gauges

- For convenient confirmation of thickness gauge calibration.



CF12 Coupling Fluid

- Used to create an ultrasonic coupling between the probe and material to be measured.
- 12 ounce bottle.



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