

Measuring range in steel

0.040 to 6.000 inches
(1.00 to 150.0mm)

- Resolution of 0.001 inch (0.01 mm).
- Special-purpose probes are offered for a variety of applications.
- Switch-selected units for inches or millimeters (mm).
- The gauge is impact-resistant and environmentally sealed to provide trouble-free operation under the toughest field conditions.
- For underwater surveying, probe cable lengths up to 50 feet (15 m) are optionally available.
- Large, backlit LCD display retains last reading.
- Comes complete with cable and software to transfer the velocity to the gauge.
- Supplied with software and cable for adjusting testing material.
- Made in the USA.
- Five-year warranty.



Programmable Ultrasonic Thickness Gauge Model TI-25P

The TI-25P Wall Thickness Gauge accurately measures wall thickness and the extent of corrosion **from only one side!**

The TI-25P holds a single material calibration, making it the perfect choice for applications where only one material is being tested day after day. With the preset velocity in the gauge, you simply turn it on and go to work.

The TI-25P is supplied with PC software and a connecting cable, which allows you to reprogram the gauge to measure different materials.

Standard configuration: In its standard configuration, the TI-25P is factory set to measure steel.

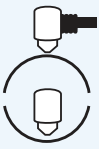



Optional configuration: If required the TI-25P can be programmed to measure any other single material instead of steel. In order to program the gauge for use on any other material then factory steel, a sample of the material to be measured is required or the exact sound velocity of the material must be known.



TI-25P Specifications And Dimensions

Range in Steel	0.040-6.000" (1.00 to 150.0 mm) with supplied probe. Other probes available.	Battery Type	Two AA batteries
Resolution	0.001" inch (0.01mm)	Battery Life	200 hours
Display	4½ digit, 0.5" backlit LCD	Weight	710 oz (280 g)
Velocity Range	.0492 to .3937 in/μs (1250 to 10,000 meters/sec)	Dimensions	2.5 x 4.5 x 1.25" (64 x 114 x 32mm)
Probe	1/4", 5 MHz, actual wearface is 5/8" (17mm)	Accessories	Probe/cable assembly, 4 oz. bottle of coupling fluid, NIST Calibration Certificate, 2 AA batteries, operating instructions, hard-plastic carrying case.
Probe Wearface	PEEK (Polyethylethylkytone)	Software	Comes complete with cable and software to transfer the velocity to the gauge.
Cable	4 ft (1.2 m) waterproof cable with non-polarized, quick-disconnect connectors	Warranty	Gauge: 5 Years Probes: 90 Days
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.	Typical Applications: Ocean vessels, storage tanks, sheet stock, steel structures, parts inspection, piping systems.	

Measuring Limits

	Minimum radius for convex surfaces	0.350" (89.9mm)
	Minimum radius for concave surfaces	3" (76.2mm)
	Minimum headroom	1" (25.0mm)
	Minimum sample diameter	0.150" (3.8mm)



Complete Kit

The TI-25P is supplied as a complete kit with the gauge, probe, 4 oz. bottle of coupling fluid, 2 AA batteries, NIST-Traceable Calibration Certificate, and operating manual — all in a foam-fitted carrying case.

For setting the ultrasonic velocity, a connection cable and software are supplied.

Related Products

CF12 Coupling Fluid

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

NIST-Traceable Steel Test Block

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



Uncertified Steel Test Block

- For convenient confirmation of thickness gauge calibration.

Protective Holder for Ultrasonic Gauges

- Heavy-duty Cordura nylon.



Underwater Probe / Cable Assembly

- 50 foot length.
- Creates an ultrasonic coupling between the probe and material to be measured.



V-Block Transducer Holder

- Offers the operator greater control and repeatably when measuring on pipes and other curved areas.



DataComm Software

- Free data acquisition software.



For additional information or to place an order CALL TOLL FREE 1-800-645-4330

Electromatic Equipment Co., Inc.
600 Oakland Ave.
Cedarhurst, N Y 11516 —USA

Tel: (800) 645-4330 (USA & Canada)
Tel: (516) 295-4300
Fax: (516) 295-4399

Email: info@checkline.com
Website: www.checkline.com

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