



PRECISION QUALITY CONTROL INSTRUMENTS SINCE 1958

CHECKLINE®
MADE TO MEASURE

Features

Total Measuring Range *

0.025 - 36.000 in / 0.63 - 914.4mm

Measuring Range on Steel **

0.025 - 6.00 in / 0.60 - 150.0mm

- Includes NIST traceable calibration certificate
- 5-year warranty, CE-Certified and Made in USA
- Resolution of 0.001 inch (0.01 mm)
- Switch-selected units (inches or mm)
- Selectable Backlight ON/OFF/AUTO
- Acoustic velocity (calibration) is manually adjusted via the keypad
- Special-purpose probes offered for a variety of applications (1 to 10 MHz)
- The transducer (probe) is waterproof and submersible in shallow water
- The extruded aluminum housing is impact-resistant and environmentally sealed (IP 65) for trouble-free operation under toughest field conditions
- For underwater surveying, a 50 ft (15 m) underwater probe/cable is available as an option
- High visibility LCD display is readable in all lighting conditions and temps as low as 22 °F (-30 °C)
- LCD shows thickness value, velocity setting, stability indicator, battery indicator and units
- Two (2) AA batteries provide 45 hours continuous operation

* Depends on material and transducer/probe type

** With standard T-102-2000 probe

TI-25PX

Economical Ultrasonic Wall Thickness Gauge

The Checkline TI-25PX Wall Thickness Gauge is designed for measuring wall thickness and the extent of corrosion on a wide range of materials. It is commonly used to check the thickness of pipes, tanks, plates and other objects. It is designed and built to withstand harsh industrial conditions and is backed by a 5-year limited warranty.

The TI-25PX allows the operator to adjust the acoustic velocity (speed of sound through a given material). The programmed velocity can be locked to prevent accidental adjustment. It is commonly used for applications where only a single material type is tested.



Complete Kit: The TI-25PX 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 Instruction manual—all in a foam-fitted carrying case.



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Specifications

Total Measuring Range (Steel)	0.025 – 36.000" (0.63 – 914.4mm) depends on material and transducer/probe type	Temp. Limits	<i>Ambient:</i> –22 to 167 °F (–30 to 75 °C) <i>Material:</i> 0 to 200 °F (–20 to 100 °C) High temperature probes available
Measuring Range (Steel)	0.040-6.000" (1.00 –150.0mm) with standard transducer T-102-2000	Battery Type	2x AA batteries (rechargeable batteries can be used)
Resolution	0.001" (0.01mm)	Battery Life	45 hours continuous use
Measuring Mode	Pulse-Echo (P-E)	Housing	Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed)
Velocity Range	0.0120 to .7300 in/μs. 305 to 18,542 meters/sec	Housing Rating	IP65
Probe (Standard)	1/4", 5 MHz Dual Element Transducer, actual wearface is 5/8" (17mm), p/n T-102-2000	Keypad	Sealed membrane that is resistant to both water and petroleum products Seven or eight tactile-feedback keys
Cable	4 ft. (1.2 m) waterproof cable with non-polarized, quick-disconnect connectors	Weight	11 oz. (308 grams)
Probes (optional)	1 to 10 MHz, 3/16" up to 1 inch (custom probes available)	Pulse Repetition Frequency (PRF)	200 Hz (200 pulses/sec)
Probe Wearface	PEEK (Polyethylene/kytone)	Dimensions	2.5" x 5.17" x 1.25" (63.5 x 131.3 x 31.5mm)
LCD Display	Multi-function 7 segment 4.5 digit liquid crystal display with 0.500" digit height. Two 0.125 in14 segment fields for labels and values, and one 7 segment field for labels and values. Additional icons to indicate features and modes	Accessories	Probe/cable assembly, 4 oz. bottle of coupling fluid, NIST Calibration Certificate, 2 AA batteries, operating instructions, hard-plastic carrying case.
Display Backlight	Backlight is selectable on/off/auto, and selectable brightness (Lo, Med, Hi)	Certifications	NIST Traceable and MIL-STD-45662A
Display Update Rate	10 Hz (10 updates/sec)	Warranty	<i>Gauge:</i> 5 Years <i>Probes:</i> 90 Days



Measuring Limits

	Minimum Radius for Convex Surfaces	0.350" (8.89mm)
	Minimum Radius for Concave Surfaces	3" (76.2mm)
	Minimum Headroom	1" (25.0mm)
	Minimum Sample Diameter	0.150" (3.8mm)
	Minimum Substrate Thickness - F	na
	Minimum Substrate Thickness - NFe	na

Related Products

SB-Series Certified Steel Test Blocks	<ul style="list-style-type: none"> Precision Machined and Finished Includes Wooden Storage Box Includes NIST Traceable Calibration Certificate
TICC-M Protective Holder for Ultrasonic Gauges	<ul style="list-style-type: none"> Constructed from heavy-duty Cordura Nylon Built-in belt loop
V-Block Ultrasonic Transducer Holder	<ul style="list-style-type: none"> For 3/16" & 1/4" Transducers only
SB Step Block Steel Test Blocks without certification	<ul style="list-style-type: none"> Fabricated from 1018 Steel Supplied without certification
CF-12 Coupling Fluid	<ul style="list-style-type: none"> Temp Range: 0 - 200 °F, -18 - 93 °C
TI-25-UW-50 50 Ft. Underwater Probe / Cable Assembly	<ul style="list-style-type: none"> 50 Ft. Length, Waterproof Probe/Cable assembly with non-polarized, Dual-Lemo connectors.