



# VERTEX

## ULTRASONIC THICKNESS GAUGE TIME TT100



Used for measuring thickness and corrosion of pressure vessels, chemical equipment, boilers, oil storage tanks, etc. in industries of petroleum, shipbuilding, power station, and machine manufacturing. Materials measured: any hard materials, including steel, cast iron, aluminum, red copper, brass, zinc, quartz glass, polyethylene, PVC, gray cast iron, nodular cast iron and other ultrasonic wave well-conductive materials.

### FEATURES:

- Portable size and easy operation.
- Suitable for any metallic and non-metallic materials ultrasonic can go through
- Self-compensating of nonlinearity function is supplied for correction of pickup nonlinearity
- Optional 2.5MHz, 5MHz and 7MHz transducers are available
- Clear 4-Digit LCD display with backlight
- 5 pre-set sound velocities for repeating applications
- 10 measuring values recorded for TT100/110/120/130
- mm / inch selectable
- TT100 and TT130 are suitable for thickness testing of various materials with sound speed range 1000-9999m/s
- TT110 and TT120 are easy-operation models with only two keys suitable for thickness testing of steel
- TT120: high-temperature model with range up to 300

## SPECIFICATION:

Model	TT100	TT110	TT120	TT130
Measuring range	0.75~300.00mm (steel) (depends on probe)			
Measuring range for steel pipes	Ø20 3.0mm			
Diameter of transducer	Ø10 (standard) Ø6 (optional) Ø12 (optional)			
Display resolution	0.1mm			0.01mm
Calibration	4.0mm steel base plate integrated			
Tolerance	(1%H+0.1) mm (H means the thickness of tested piece)			
Measuring units	mm/inch			
Sound velocity range	1000-9999m/s	5900 m/s		1000-9999m/s
Display	4-Digital LCD			
Surface temperature	-10 to +60		-10 to +300	-10 to +60
Battery indicator	Low battery voltage indicator			
Power supply	2Pcs.AA batteries 1.5V			
Working time	250 hours			
Dimensions (mm)	<ul style="list-style-type: none"><li>• 126</li><li>• 68</li><li>• 23</li></ul>			
Weight (g)	Approx. 250 including batteries			

## STANDARD ACCESSORIES:

- Optional accessories (see page H7)

## STANDARD DELIVERY:

Main unit	1
5MHz straight transducer (for TT100/110/120/130)	1
5MHz angle transducer (for TT100/110/130)	1
ZW5P high temperature transducer (for TT120)	1
Integrated steel calibration plate 4.0mm	1
Batteries AA1.5V	2
Couplant	1
TIME certificate	1
Warranty card	1
Instruction manual	1



<https://www.vertexmachines.com/>



+91 93234 05785



info@vertexmachines.com

Actual product may differ in color and appearance due to constant development.