

TIME 2110

Portable Hardness Tester

ULTRASONIC THICKNESS GAUGE



SPECIFICATIONS

The principle of Ultrasonic Thickness Gauge is ultrasonic pulse reflection. The pulse was reflected back to the probe when the ultrasonic pulse sent by the probe reaches the material interface through the tested object. We can get the thickness of the measured material based on the accurate time that the ultrasonic transmits in the material. Time Ultrasonic Thickness Gauge series are non-destructive testing instrument integrated with modern scientific electronic and measuring technology. They are equipped with microcomputers that can analyze, handle and display the current data. Furthermore, they are integrated with highly optimized measuring circuit, which makes them have the advantage of high measurement accuracy, wide measurement range, being easy to operate, stable working and so on. TIME 2110 is the basic model of TIME 2110 Ultrasonic Thickness Gauge series. Based on the ultrasonic principle, this instrument can test the hardness of all the good ultrasonic conductor material, such as metals, plastic, ceramic, glass and so on.

- 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
- 10 measuring values can be recorded for TIME 2110, TT 110, TT 130;100 measuring values can be recorded for TT140
- Optional 2.5MHz, 5MHz and 7MHz transducers are available
- Clear 4-Digit LCD display with backlight
- 5 pre-set sound velocities for repeating applications mm / inch selectable
- TIME 2110 are suitable for thickness testing of various materials with sound speed range 1000-9999m/s

TECHNICAL SPECIFICATION

Measuring Range	0.75 – 300.00mm (steel)
Measuring range for steel pipes	Min.3.0mm thickness ×Φ20 diameter
Diameter of transducer	Φ10 (standard) Φ6 (optional) Φ12(optional)
Display resolution	0.1mm
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
Display	4-Digital LCD
Surface temperature	-10°C to +60°C
Battery indicator	Low battery voltage indicator
Power supply	2 Pcs. AA batteries 1.5V
Operation time	250 hours
Dimensions	126mm×68mm×23mm
Weight	Approx.250 including batteries

STANDARD DELIVERY

- Main unit
- 5MHz transducer
- 5MHz angle transducer (for TIME2110/110/130)
- ZW5P high temperature transducer for TT120
- Integrated steel calibration plate 4.0mm
- Batteries AA 1.5V
- Couplant
- TIME Certificate
- Warranty card
- Instruction manual

Kapcsolat, bővebb információ:



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