



TIME TT2130 Ultrasonic Thickness Gauge



The new TIME TT2130 Ultrasonic Thickness Gauge / Material Thickness Gauge (previously TT300) is a handheld microprocessor-controlled thickness gauge, specifically designed for measuring the thickness of metallic and non-metallic materials eg. aluminium, titanium, plastics, ceramics, glass, cast iron and other good ultrasonic wave-conducting materials, as long as the material has parallel top and bottom surfaces.

The TT210 is equipped with RS232 interface to connect to a PC with optional Dataview Software.

The TIME® TT2130 Ultrasonic Thickness Gauge can perform precise measurements on various types of raw materials, component parts, and assembled machinery. It can also be used to monitor all types of pipes and pressure vessels for loss of thickness due to corrosion.

With the TIME TT2130 Ultrasonic Thickness Gauge you can record up to 500 readings and download them to a computer.

Features

- Easy to use, handheld thickness gauge
- Suitable for most metallic and non-metallic materials
- 2 Display modes - current thickness or minimum thickness (menu selectable)
- Upper/Lower limits pre-setting with sound alarm
- Memory for 500 stored values
- Two-point calibration for higher accuracy
- Display resolution 0.001mm and 0.01mm selectable for your use
- Display in mm or inch
- Large LCD display with adjustable backlight
- Low battery indicator
- RS232 output for data transfer to a PC
- The TT2130 can be equipped with a low frequency transducer for thickness testing of thin work pieces
- Autocalibration of zero point - automatically correcting system errors
- Optional transducers for measuring high temperatures up to 300°C and TSTU32 for measuring cast iron.



Technical Specifications

Part Number	Description
Measuring Range	1.2mm - 225.0mm with 5MHz transducer 5.0mm - 300.0mm with 2MHz transducer
Operating Temperature	-10°C to 60 °C
Lower Limit Steel Pipes	Dia 20mm x 3.0mm
Display Resolution	0.1mm / 0.01mm
Data Output	RS232 Output for Printer or PC
Measuring Accuracy	±1% thickness + 0.1mm
Sound Velocity	1000m/s - 999 m/s
Power Supply	2 pcs AA batteries 1.5V
Battery Life	100 hours without backlight
Dimensions	152mm x 74mm x 35mm
Weight	370g

Packing List

TIME TT2130 Ultrasonic Thickness Gauge
Transducer 5PΦ10
Rubber Jacket
Ultrasonic Couplant
2x Batteries AA 1.5V
Screwdriver
Instruction Manual
TIME® Certificate
Warranty Card
Carry Case

Accessories

Transducer TSTU32 (2MHz) – 22mm contact area diameter (-10 °C to 60 °C)
Transducer 5PΦ10 (5MHz) – 10mm contact area diameter (-10 °C to 300 °C)
Dataview Software with communication cable