



Ultrasonic Wall Thickness Gauge TIME®2136

Advanced ultrasonic wall thickness gauge, developed by Beijing Time High Technology Ltd., which measures through coated or painted surfaces using a dual-element probe in echo-echo mode. The display resolution is up to 0.001 mm, and the probe is detected automatically. Typical applications include wall thickness testing of pipelines and pressure vessels, quality control of forged and cast parts, corrosion inspection of ship hulls and bottoms, as well as routine maintenance of roads and bridges.

Features

- Measures through coated surfaces, eliminating paint thickness via a dual-element probe in echo-echo mode
- Automatic detection of the standard probe, or manual probe frequency presetting
- Probe TSTU32 optional for cast iron
- Connection to PC via RS232 interface
- Presettable upper/lower limits with acoustic alarm
- Differential mode displays deviation from the user-set target range
- Memory for up to 500 measured values
- Resolution of 0.001 mm and 0.01 mm selectable

Scope of delivery

- Main unit
- Probe 5PØ10/90°
- Couplant
- Sheath for main unit
- Operating manual

Optional Accessories

- Communication cable
- Standard test specimen
- Probe TSTU32 (for cast iron)

Technical Data

Parameter	TIME®2136
Measuring range	Probe 5PØ10/90°: 1.2 – 200 mm (steel, T-E mode) / 3 – 20 mm (steel, E-E mode); Probe TSTU32: 5 – 300 mm (steel, T-E mode), suitable for cast iron
Display resolution	0.001 mm or 0.01 mm
Speed of sound	1,000 – 9,999 m/s
Display	LCD with backlight
Accuracy	±1% H + 0.1 mm (H = workpiece thickness)
Data output	RS232
Calibration plate	4.0 mm (steel)
Power supply	2 × AA batteries 1.5 V
Units	mm / inch
Operating temperature	-10 – 60 °C
Dimensions	152 × 74 × 35 mm
Weight	220 g

Technical changes reserved.