



Ultrasonic Wall Thickness Gauge TIME® 2170

Precision ultrasonic wall thickness gauge specially designed for thin workpieces, developed by Beijing Time High Technology Ltd. The device operates on the pulse-echo principle and is suitable for metallic materials such as steel, cast iron and aluminium, as well as glass, ceramics and plastics.

Features

- Three measuring modes: AUTO, I-E (pulse-echo), E-E (echo-echo)
- Sound velocity calibration and single-point calibration
- Measurement display in mm or inch
- Integrated calibration plate for easy calibration
- Acoustic alarm and differential mode
- Data storage for up to 500 measurements
- Backlit display with adjustable contrast
- PC data transfer possible
- Auto power-off after 2 minutes
- Compact and ergonomic design
- Limit value alarm (upper and lower limit adjustable)
- Data storage for up to 500,000 measured values and waveforms
- PC data output via software

Scope of delivery

- Main unit TIME® 2170
- 15 MHz Ø6 probe
- Coupling agent
- 2× 1.5 V AA batteries
- Operating manual
- Service case

Optional Accessories

- Communication cable with software
- Standard test specimen

Technical Data

Parameter	TIME® 2170
Measuring range	0.15 – 20.00 mm (steel)
Accuracy	>10 mm: ±0.05 mm / <10 mm: ±(0.5% × H) mm
Resolution	0.001 or 0.01 mm (selectable)
Speed of sound	1,000 – 9,999 m/s
Measuring modes	AUTO, I-E (pulse-echo), E-E (echo-echo)
Probe frequency	15 MHz / optional 20 MHz
Power consumption	<30 mA (3V, without backlight)
Operating temperature	0 – 40°C
Power supply	2× AA batteries 1.5 V
Dimensions	152 × 74 × 35 mm
Weight	220 g

Technical changes reserved.