

TT-200 Ultrasonic Thickness Gauge (With Through Coat Measurement Function)

UT200 ultrasonic thickness gauge is a multi-mode ultrasonic thickness gauge, capable of measuring the thickness of various material types with a high degree of accuracy. The multi-mode feature of the gauge allows the user to toggle between pulse-echo mode for normal thickness measurement, and echo-echo mode which Eliminates the thickness of any paint or coating thickness from the measurement. It is also equipped with a test function to check whether the precious metals are adulterated and identify the purity. It is mainly used for the identification of gold bars, silver bars, gold coins, silver coins and other precious metals.

FEATURES

- Multi-mode: Pulse-Echo mode and Echo-Echo mode.
- Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass etc.
- Various probes (transducers) are available for special application requirements.
- Multi measurement modes, P-E, I-E and TEST, are adopted to accurately measure the thickness; **I-E mode enables the gauge to measure thickness through coating;**
- High precision timing chip and v-path calibration model are adopted, with wide measurement range and high measurement accuracy;
- Range in pulse-echo mode: 0.65~500 mm in steel.
- Through coating Max. 1.5mm thickness
- Basic Test Base thickness range in echo-echo mode: 1~75 mm in steel.
- Sound Velocity Range: 1000~9999 m/s.
- Resolution: 0.1 mm/0.01 mm.
- Measurement information can be completely stored, including thickness measurement value, measured sound velocity and time information;
- Two AA alkaline batteries are used for power supply;
- Display resolution can be 0.1mm/0.01mm, and the error limit is 0.4% H (H is the thickness of the workpiece)
- Contrast of liquid crystal display is adjustable, and it has LED backlight display, which can be used in various environments.



BASIC PARAMETERS

Particulars	TT-200 Ultrasonic Thickness Gauge
Display Accuracy	0.1mm/0.01mm
Measurement period	4 times/second
Velocity Range	1000-9999m/s
Display	FSTN LCD display, with cold light source illumination display
Working Voltage	2*1.5V
Continuous Working time	50 hours (without backlight)
Data Storage	500 groups of measurement results, including measurement time and sound velocity information
Auto Power off	Automatic shutdown without action for 2 minutes (settable), with switch button
Display Content	Thickness value, coupling state, electric quantity state, calibration state, sound velocity, time, etc
Size	155MM X 68MMX27MM
Weight	230G

PROBE SELECTION

Model	Features Description	Frequency (MHz)	Diameter Of Contact Area (mm)	Measuring Range (steel) (mm)	Allowable contact temperature (°C)
5Mhz probe	Universal	5	10	0.65~500.0	-10~60
2M Coarse crystal probe	Special use	2	12	2.0~500.0	-10~60
7M Micro diameter probe	Special use	7.5	6	0.85~40.0	-10~60
H2M High Temperature probe	Special use	3	12	4.0~80.0	-10~310