MT200 Ultrasonic Thickness Gauge

Overview

The model MT200 is a digital ultrasonic thickness gauge. Based on the ultrasonic principle , the instrument is capable of measuring the thickness of various materials, such as metal, plastics, ceramic, glass and many other good ultrasonic conductors. It can also measure the velocity of all kinds of materials. Compared with the traditional measurement methods, the advantages of ultrasonic thickness gauge is exposed to one side of the workpiece to complete the measurement. Its unique non-destructive testing performance provide the perfect solution for the thickness testing of closed pipes, containers, etc. It is widely used in petroleum, chemical, metallurgy, shipbuilding, aviation, aerospace and other fields because of monitoring corrosion thinning degree of various pipes and pressure vessels.It can also be used for precise measurement of sheet metal and machined parts .

Technical Parameters

Display	128×64 dot matrix LCD with EL backlight.
Measuring Range	(0.75～300)mm (in Steel)
Sound Velocity Range	(300~19999) m/s
Resolution	0.1/0.01mm
Accuracy	±（0.5%Thickness+0.01）mm
Units	Metric/Imperial unit selectable
Measurement Frequency	Four measurements readings per second for single point measurement, and ten per second for Scan Mode
Storage	Memory for up to 100 files (up to 100 values for each file) of stored values
Thickness Measurement Modes	Single point thickness measurement and scanning thickness measurement
Alarm Function	IUpper and lower limit can be pre-set. It will alarm automatically when the result value exceeding the limit
Power Source	Two "AA" size, 1.5 Volt alkaline batteries
Operating Time	More than 100 hours (EL backlight off)
Communication	USB port
Outline	Extruded aluminum body suitable for use under poor working conditions
Outline Dimension	132mm × 76mm×32mm
Weight	345g

Features

● Suitable for measuring metal (such as steel, cast iron, aluminum, copper, etc.) , plastics, ceramics, glass, fiber glass and any other good ultrasonic conductors;
● Dual straight beam probes with different frequencies and crystal sizes are available;
● Zero calibration, two-point calibration, automatic error correction system;
● Known thickness, sound speed can be measured, in order to improve the measurement accuracy;
● Coupling status indicator showing the coupling status;
● EL backlight for easy use in dimly lit environments;
● Remaining battery indicator can display the remaining power in real time;
● Auto sleep and auto power off function to conserve battery life
● Small, portable, high reliability for harsh operating environment, anti-vibration, anti-shock and anti-electromagnetic interference.

Saver AB
Gjutegården 161
S-436 45 ASKIM
SWEDEN

Saver
- för effektivt underhåll -

Tel: +46 (0) 31 28 28 89
Mobil: +46 (0) 707 415 428
Mail: bengt@se-saver.se
www.se-saver.se

Configuration

	No.	Item	Quantity	Note
Standard Configuration	1	Main body	1	
	2	Probe:N05/90°	1	
	3	Couplant	1	
	4	Instrument Case	1	
	5	Operating Manual	1	
	6	Alkaline battery	2	
	7	Screwdriver	1	
Optional Configuration	1	Probe: N05(5MHz)		
	2	Probe: N02(2.5MHz)		
	3	Probe: N07(7MHz)		
	4	Probe: HT5(5MHz)		
	5	High temperature couplant		
	6	USB Cable		
	7	DataPro Software		