TC-500 Multi-Echo Ultrasonic Thickness gauge

Standard Configuration		Optional Configuration
Main Body	1	Large diameter probe (2.5MHz)
Standard Probe (5MHz,D10mm)	1	Large range probe (2MHz)
Couplant	1	Micro-diameter probe (7MHz)
ABS Case	1	High temperature probe (5MHz)
Product Certificate	1	
Warranty Card	1	
Manual	1	
1.5V AA size battery	2	

Introduction

Ultrasonic Thickness Gauge measuring with ultrasonic wave, is applicable for measuring the thickness of any material in which ultrasonic wave can be transmitted and reflected back from the other face, it can also measure through coated surfaces and eliminate the thickness of the paint using a dual element style transducer in echo-echo mode without remove the surface coating.

The gauge can provide quick and accurate measurement to various work pieces such as sheets of board and processing parts. Another important application of the gauge is to monitor various pipes and pressure vessels in production equipment, and monitor the thinning degree during using. It can be widely used in petroleum, chemical, metallurgy, shipping, aerospace, aviation and other fields.

Features

- Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass and other ultrasonic wave well-conductive materials
- Can collocate variety different frequencies,wafer sizes of probes
- Sound Velocity Calibration function as a known thickness
- Coupling status indicator showing the coupling status
- EL backlight, and convenience to use under dark environment
- Have the battery indicator function, can real-time display the remaining power
- Auto sleep and auto power off function to conserve battery life
- Smart, portable,high reliability, suitable for bad,environment, resist to vibration, shock and electromagnetic interference

Technical Specification

Model	TC-500
Display	128 x 64 LCD with LED backlight
Measuring Range	(0.75~600)mm (Steel)
	Through Coating: 3-25mm
Velocity Range	Velocity Range: (1000~9999) m/s
Resolution	Resolution: 0.01mm
Measuring accuracy	± (0.5%H+0.04mm);H is thickness value
Measurement cycle	Single point measurement 6 times/per
Storage	40 values of saved data
Power Source	2pcs 1.5V AA size
USB Port	USB Port
Working Time	more than 50 hours (LED backlight off)
Thickness of test block	4mm
Outline Dimensions	145 x 74 x 32 mm
Weight	245g

Through coating measurement for gauging thickness of a painted object without removing the nonmental coating

4-33, Juan5-dong, Nam-gu, Incheon, South Korea
Tel: 0082-31-745-0094 Fax: 0082-31-745-0095

Test Tech NDT