Ultrasonic thickness gauge TM210B

Features

1. Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass and other ultrasonic wave well-conductive materials.
2. Transducer models are available for special application, including for coarse grain material and high temperature applications.
3. Probe-Zero function, Sound-Velocity-Calibration function.
4. Two-Point Calibration function.
5. Coupling status Indicator showing the coupling status.
6. Battery information indicates the rest capacity of the battery.
7. Auto sleep and auto power off function to conserve battery life.
8. Optional software to process the memory data on the PC.
9. Optional thermal mini-printer to print the measured data via USB port.
10. Adjust gain function ,can easy to test the cast iron material,

Specifications

Display: 128×64 LCD with LED backlight.

Measuring range: 0.75mm~300.0mm (0.03inch~11.8 inch)

Sound velocity: 1000m/s~9999m/s (0.039~0.394in/μs

Display resolution:0.01mm or 0.1mm (lower than 100.0mm)

0.1mm (more than 99.99mm)

Accuracy: ±(0.5%Thickness +0.02)mm, depends on Materials and conditions

Units: Metric/Imperial unit seletable.

Lower limit for steel pipes:

5MHz probe: F20mm´3.0mm(F0.8´0.12 inch)

10MHz probe: F20mm´3.0mm(F0.6´0.08 inch)

Power Source: 2pcs 1.5V AA size, batteries.100 hours typical operating time(LED backlight off).

Communication: USB serial port

Outline Dimensions: 150mm×74mm×32mm

Weight: 238 g

Four measurements readings per second for single point measurement,

Memory for up to 5 files(up to 100 values for each file) of stored values

Configuration

	No	Item	Quantity	Note
Standard Configuration	1	Main body	1	
	2	Transducer	1	Model: N05/CT-10
	3	Couplant	1	
	4	Instrument Case	1	
	5	Operating Manual	1	
	6	Alkaline battery	2	AA size
	12	DataPro Software	1	
	13	Communication Cable	1	
Optional Configuration	7	Transducer: N02		Appendix A
	8	Transducer: N07		
	9	Transducer: HT5		
	10	Mini thermal printer	1	
	11	Print cable	1	

Probe optional for ultrasonic thickness gauge

Model	Freq. MHz	Diam. Min.	Measuring range	Lower limit	Description
N02	2	14	3.0mm-300.0mm (in steel)	20	For thick, highly attenuating, or highly scattering materials
N05(CT-10)	5	10	1.2mm-230.0mm (in steel)	Ø20mm×3.0mm	Normal measurement
N05/90°	5	10	1.2mm-230.0mm (in steel)	Ø20mm×3.0mm	Normal measurement
N07	7	6	0.75mm-80.0mm (in steel)	Ø15mm×2.0mm	For thin pipe or small curvature pipe wall thickness measurement
HT5	5	2	3mm-200mm (in steel)	30	For high temperature measurement (up to 300℃)
Ht5-2	5	2	3mm-200mm (in steel)	30	For high temperature measurement (up to 550℃)