



TC-400 Plus

Ultrasonic Thickness Gauge



TC-400 Plus

FEATURES

1. Measurements of different 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 indicator showing the coupling status.
6. Battery information indicates the rest capacity of the battery. Ultra-low power consumption, it can continue working approx. 100 hours.
7. Auto sleep and auto power off function to save battery life.
8. Optional USB datapro 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.
11. Four measurements readings per second for single point measurement.
12. Memory for up to 5 files (up 100 values for each file) of stored values.

SPECIFICATIONS

Display	128x64 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/ μ s)
Display resolution	0.01mm or 0.1mm (lower than 100.0mm) 0.1mm (more than 99.99mm)
Accuracy	10.0mm or less ± 0.05 mm 10.0mm above $\pm (0.5\%T + 0.02)$ mm (depends on Materials and conditions)
Units	Metric/Imperial unit selectable. Lower limit for steel pipes: 5MHz probe: $\Phi 20\text{mm} \times 3.0\text{mm}$ ($\Phi 0.8 \times 0.12$ inch) 10MHz probe: $\Phi 20\text{mm} \times 3.0\text{mm}$ ($\Phi 0.6 \times 0.08$ inch)
Power Source	2pcs 1.5V AA size, batteries. 100 hours typical operating time(LED backlight off).
Communication	USB serial port
Outside Dimensions	150mmx74mmx32mm
Weight	238 g

Configuration

	No	Item	Quantity	Note
Standard package	1	Main body	1	
	2	Transducer	1	TS200
	3	Couplant	1	
	4	Instrument Case	1	
	5	Operating Manual	1	
	6	Alkaline battery	2	AA size
	7	DataPro Software	1	
	8	Communication Cable	1	



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