

# HIGH PRECISION ULTRASONIC THICKNESS GAUGE

## MODEL: TM220



### FEATURES:

- HIGH ACCURACY AND RESOLUTION UP TO 0.001mm or 0.0001 inch
- MEASURING ULTRA THIN SAMPLE AS LOW AS 0.15mm or 0.006 inch
- DISPLAY UNITS : IMPERIAL and METRIC
- AUTOMATIC SELF CALIBRATION
- COUPLANT INDICATOR
- AUTOMATIC POWER OFF DEVICE
- HIGH-LOW LIMIT ALARM
- LCD BRIGHTNESS ADJUST
- LOW BATTERY INDICATOR

### TECHNICAL SPECIFICATIONS:

Measuring Range (for steel)	Interface-Echo Mode: (I-E or Standard Mode)	1.50mm – 20.0mm (0.059in – 0.787 in)
	Echo-Echo Mode: (E-E or High Precision Mode)	0.15mm – 10.0mm (0.006in – 0.394in)
Measuring Accuracy	±0.005mm or 0.0002 inch (if thickness < 3mm)	
	±0.05mm or 0.002 inch (if thickness < 20mm)	
Display Resolution	mm : 0.1 / 0.01 / 0.001	
	inch : 0.01 / 0.001 / 0.0001	
Sound Velocity Range	1000 to 9999 m/sec (0.0394 – 0.3936 inch/ms)	
Measuring Refresh Frequency	4Hz in normal mode, up to 25Hz	
Memory Capacity	500 test values	
Multiple Calibrations	One point or Two Point	
Display LCD	42 x 57mm LCD size with EI backlight and adjustable contrast, font size up to 13.75mm (0.54 inch)	
Power Source	2 pcs. 1.5v AA size batteries	
Continuous working period	About 200 hours (with backlight off)	
Power off	Auto power off if idle for 4 minutes	
Operating Temperature	-10 °C to +50 °C	
Unit Size	2.9 W x 5.9 H x 1.26 D inches (73 W x 149 H x 32 D mm).	
Weight	200g	

### STANDARD DELIVERY:

1. Main Processor with Calibration block (4.00 mm)
2. Precision Probe (D11R) with Replaceable Delay Tip
3. Coupling Paste
4. Operation Manual
5. Consumer-Type 2 AA Type Alkaline Battery (3 Volt)
6. Carrying Case