MWT-2500
Ultrasonic Thickness Gauge Datasheet

Hand-held ultrasonic thickness gauge.

Features

- Use of ultrasound to determine coating thickness
- High accuracy measurement over a wide range
- Three measuring modes, P-E, I-E, Test
- Fully configurable test parameters
- Metric or imperial, selectable resolution of 0.1 or 0.01mm
- Test function for the purity of precious metals
- Backlit LCD display with adjustable contrast
- Supplied with 10mm diameter 5MHz probe
- Storage of 500 time stamped data groups
- Durable plastic case



Ultrasonic Thickness Tester Specification

Working Principle	Ultrasonic	**Be Able to Pass Through The Coatings**	IE mode can pass through 500μm coating
Measurement Mode	PE/IE/Test	**Measurement Range (mm)**	1 - 300 (steel)
Precision (mm)	H<10 ±0.05 H≥10 ±(0.05+H/100)	**Probe Size**	Equipped with diameter 10mm as standard
Resolution (mm)	0.01/0.1 (optional)	**Display Screen Size**	2.0'' FSTN,128*64 dot matrix, LED backlight
Measurable Materials	Steel, iron, glass, plastic, aluminum, etc	**Sound Velocity Range (m/s)**	1000 - 9999
Storage Capacity	500 sets of data	**Units of Measurement**	Metric / imperial
Language Supported	English/Spanish/Chinese	**Working Temperature (°C)**	0 - 50
Environment Humidity	Relative humidity less than 90%	**Power Supply**	2*1.5V AA battery
Dimensions (mm)	150 x 71 x 33	**Product Weight (g)**	200

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Probe Selection

Model	Description	Frequency (MHZ)	Diameter of Contact Area (mm)	Measuring Range (steel) (mm)	Allowable Contact Temperature (˚C)
MWT-2500	Universal	5	10	1.0~300.0	-10~60