

METRAVI ECO.

CTG-11 ECO / CTG-11R ECO COATING THICKNESS GAUGE

PRODUCT INTRODUCTION



The Metravi CTG-11 ECO Coating Thickness Gauge adopts a composite probe to measure the thickness of electroplated coating on the surface of metal materials through a precision sensor, without damage.

It automatically detects the properties of the base material and the thickness of coating through electromagnetic induction and eddy current effect.

This instrument is an essential measuring tool for material surface treatment engineering and can detect steel, iron, copper, aluminium, alloys, etc and measure the thickness of non-conductive coatings (such as paint, oxide film, plastic, ceramic) on metal surfaces.

It is widely used in manufacturing, metal processing, chemical industry, commodity inspection, etc.

FEATURES

- Clear back lit digital HD display
- Ergonomic, anti-skid design
- Single & Continuous measurements
- Single high-precision probe for ferrous & non-ferrous substrates
- Max & Min values
- High & Low Alarm
- Data Reset
- Self Calibration
- Unit conversion
- Automatic shutdown
- Low Battery indication
- Rechargeable Battery (only for CTG-11R ECO)

*Images and Specifications are subject to change without prior notice



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TECHNICAL SPECIFICATIONS

	CTG-11 ECO	CTG-11R ECO
Display	Backlit HD LCD	
Sampling Method	Electromagnetic Induction / Eddy Current Effect	
Measuring Range	0 ~ 1500 μm	
Resolution	0.1 μm	
Accuracy	$\pm 3\% + 2\mu\text{m}$	
Auto Shutdown	After 10 mins of non-operation	
Measurement Modes	Single / Continuous	
Units	μm (micrometer)	μm / mil
Radius of Minimum Convex Curvature	5mm	
Radius of Minimum Concave Curvature	50mm	
Dia of Minimum Measuring Area	20mm	
Minimum Thickness of Base Material	Ferrous 0.5mm Non-Ferrous 0.3mm	
Charging Mode	-	USB Type C
Voice Guide	-	Yes
Operating Environment	0 ~ 50°C / $\leq 80\%$ RH	
Power	1.5V x 2 AAA Alkaline Batteries	Built-in Lithium Battery, 1000mAh/3.7V
Dimensions	128 x 40 x 26 mm	
Weight	95 gms (excluding battery)	100 gms (including Lithium Battery)
Accessories	Self Calibration Foil Set, User Manual Battery, Carrying Pouch	

Zero Calibration & Multi-point Calibration

