

# MIDLAND METROLOGY LIMITED

## COATING THICKNESS GAUGE CODE:iCoat-200



- Both magnetic and eddy current thickness measurement methods, it can measure the thickness of non-magnetic coatings on magnetic metal substrates and non-conductive coatings on non-magnetic metal substrates.
- Two Measuring Methods:Continuous and single measurement methods
- Three measuring modes:The high-precision measuring mode can take the average of multiple measurements and automatically filter suspicious data to ensure more accurate and stable measurement values; The fast measurement mode can achieve real-time scanning function;
- Equipped with temperature compensation function: The leading real-time temperature compensation technology can automatically compensate for measurement errors caused by changes in ambient temperature and probe temperature, making measurements more accurate;
- Five statistical values: Mean, Maximum , Minimum , Number of Tests , and Standard Deviation ;
- Zero point calibration, single point calibration, or two-point calibration methods can be used to calibrate the instrument, and basic calibration and temperature coefficient calibration methods can be used to correct the systematic errors of the measuring probe.

### STANDARD DELIVERY

<b>Main Unit</b>	1 pc
<b>Iron Plate or Aluminum Plate</b>	1 pc
<b>Calibration Foils</b>	5 pcs
<b>Package Case</b>	1 pc
<b>No.5 Alkaline Battery (1.5V)</b>	2 pcs
<b>Probe</b>	Optional



Calibration Foils



Aluminum Plate



Iron Plate



F1



FN



N1



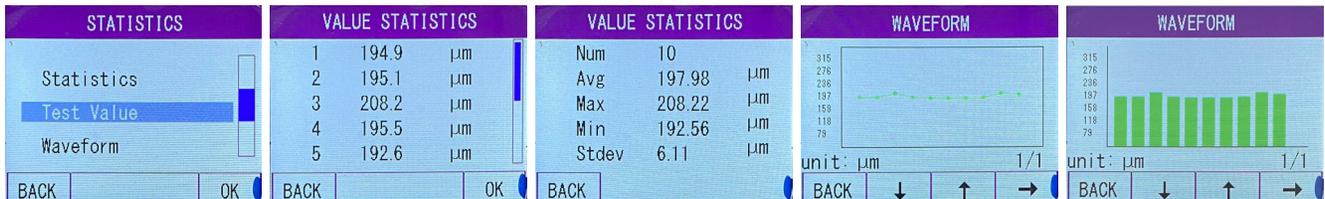
# COATING THICKNESS GAUGE

## CODE:iCoat-200

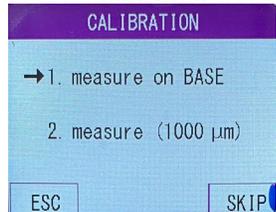
### TECHNICAL SPECIFICATION

<b>Probe Type</b>	F	N	
<b>Measuring Range</b>	0~1500μm	0~1500μm Copper plated grid 0~40μm	
<b>Working Principle</b>	Magnetic	Eddy	
<b>Resolution</b>	0.1μm		
<b>Accuracy</b>	<b>Zero-point Calibration</b>	±(3%H+1)μm	±(3%H+1.5)μm
	<b>Two-point Calibration</b>	±[(1~3)%H+1]μm	±[(1~3)%H+1.5]μm
<b>Test Conditions</b>	<b>Minimum radius of curvature</b>	Convex 3mm	
	<b>Minimum area diameter</b>	Φ7mm	
	<b>Matrix critical thickness</b>	0.5mm	0.3mm
<b>Using Environment</b>	Temperature: 0 °C~40 °C		
	Humidity: 20% Rh~90% Rh		
	No Strong Magnetic Field Environment		
<b>Power Supply</b>	2*AA Alkaline batteries		
<b>Weight</b>	About 240g		
<b>Dimensions</b>	151×76×38mm		

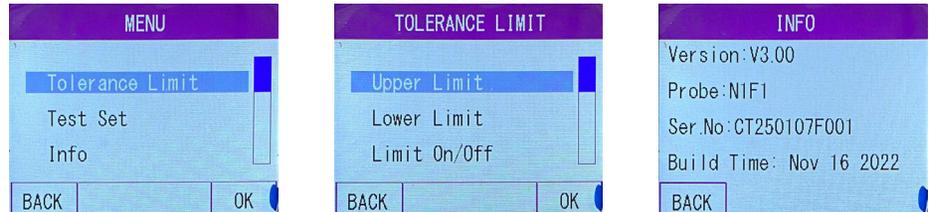
### Statistics



### Calibration



### Menu Interface



### Test Set

