

SUITABLE FOR SMALL SURFACES,  
CONCAVE OR CONVEX SURFACES

- Suitable for small surfaces, concave or convex surfaces
- Magnetic induction probe (Fe) is to measure the thickness of non-magnetic coating on magnetic substrate  
Substrate: iron, steel, magnetic stainless steel (does not include non-magnetic stainless steel)  
Coating: zinc, copper, chrome-tin, plastic powder, paint (does not include nickel)
- Eddy current probe (NFe) is to measure the thickness of non-conductive coating on non-magnetic metal substrate  
Substrate: copper, aluminum, zinc, non-magnetic stainless steel  
Coating: plastic powder, paint, anodizing



## COATING THICKNESS GAGE



magnetic induction  
probe Fe (optional)  
ISO-2000FN-FE



eddy current probe  
NFe (optional)  
ISO-2000FN-NFE

connected to probe



main unit  
ISO-2000FN



standard foil (included)

### MAIN UNIT SPECIFICATION

<b>Code</b>	<b>ISO-2000FN</b>	
<b>Measuring range</b>	magnetic induction probe (Fe)	0~2000μm
	eddy current probe (NFe)	0~800μm
<b>Accuracy</b>	±(1.5+2%L)μm L is measuring thickness in μm	
<b>Resolution</b>	0.1μm (range<100μm)	
	1μm (range 100~1000μm)	
	10μm (range ≥ 1000μm)	
<b>Repeatability</b>	1μm (range 0~1000μm)	
	10μm (range ≥ 1000μm)	
<b>Measuring mode</b>	continuous or single	
<b>Calibration mode</b>	four points calibration	
<b>Minimum substrate thickness</b>	magnetic induction probe (Fe): 0.2mm, eddy current probe (NFe): 0.05mm	
<b>Minimum measuring area</b>	5x5mm, calibration should be made on workpiece without coating, test stand (optional) is recommended in order to have same position for calibration and measurement	
<b>Power supply</b>	2×1.5V AA batteries	
<b>Dimension of main unit</b>	122×65×22mm	
<b>Weight of main unit</b>	150g	

### STANDARD DELIVERY

<b>Main unit</b>	1pc
<b>Zero calibration block for Fe probe</b>	1pc
<b>Zero calibration block for NFe probe</b>	1pc
<b>Standard foil</b>	7pcs
<b>Battery (AA)</b>	2pcs

### PROBE (OPTIONAL) SPECIFICATION

<b>Magnetic induction probe (Fe)</b>	ISO-2000FN-FE
<b>Eddy current probe (NFe)</b>	ISO-2000FN-NFE