

SUITABLE FOR SMALL SURFACES,  
CONCAVE OR CONVEX SURFACES

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATES



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



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



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



standard foils (included)

**MAIN UNIT**

<b>Code</b>	<b>ISO-2000FN (without probes)</b>	
<b>Measuring range</b>	<b>magnetic induction probe (Fe)</b>	0~2000µm
	<b>eddy current probe (NFe)</b>	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 workpieces without coating	
<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>	1 pc
<b>Zero calibration block for Fe probe</b>	1 pc
<b>Zero calibration block for NFe probe</b>	1 pc
<b>Standard foil</b>	7 pcs
<b>Battery (AA)</b>	2 pcs

**PROBE (OPTIONAL)**

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

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES

DATA OUTPUT

# COATING THICKNESS GAGE CODE 9501-1200



eddy current probe NFE (optional) with zero calibration block



magnetic induction probe FE90 for bores and grooves (optional)



magnetic induction probe FE10 for large range (optional)



zero calibration block for FE (included)



calibration foils (included)



data transmission cable (optional)



magnetic induction probe FE (included)



VIDEO

- Magnetic induction probe (FE) measures the thickness of non-magnetic coating on magnetic substrate.  
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)  
Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) measures the thickness of non-conductive coating on non-magnetic substrate.  
Substrate: copper, aluminum, zinc, non-magnetic stainless steel  
Coating: plastic, powder, paint, anodizing
- Tolerance measurement
- Automatic power off



software CD (included)

## SPECIFICATION

Probe type	FE (included) magnetic induction probe	NFE (optional) eddy current probe	FE90 (optional) magnetic induction probe for bores and grooves	Fe10 (optional) magnetic induction probe for large range
Measuring range	0~1250µm	0~1250µm	0~1250µm	500~10000µm
Accuracy	$\pm(3\%L+1)\mu\text{m}$ (range $\leq 1250\mu\text{m}$ ) $\pm(3\%L+10)\mu\text{m}$ (range $> 1250\mu\text{m}$ ) L is measuring thickness in µm			
Resolution	0.1µm (range $< 100\mu\text{m}$ ) 1µm (range $\geq 100\mu\text{m}$ )			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	—	10mm
Memory	500			
Output	USB			
Power supply	2×1.5V AA batteries			
Dimension	128×68×32mm			
Weight	340g			

## STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FE)	1 pc
Zero calibration block for FE probe	1 pc
Calibration foils (50µm, 100µm, 250µm, 500µm, 1000µm)	1 set
1.5V AA battery	2 pcs
Software and USB cable	1 pc

## OPTIONAL ACCESSORY

Data transmission cable	9501-1200-SPC
Eddy current probe (NFE) with zero calibration block	9501-1200-NFE
Magnetic induction probe (FE90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (FE10) for large range	9501-1200-FE10