

# COATING THICKNESS GAGE CODE ISO-2000FN

SUITABLE FOR SMALL SURFACES, CONCAVE  
OR CONVEX SURFACES AFTER CALIBRATION



**main unit**  
**ISO-2000FN**



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



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

- Suitable for small surfaces, concave or convex surfaces after calibrated
- 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



standard foil  
(included)

## SPECIFICATION

Measuring range	magnetic induction probe (Fe)	0~2000 $\mu$ m
	eddy current probe (NFe)	0~800 $\mu$ m
Accuracy	$\pm(1.5+2\%L)\mu$ m      L is measuring thickness in $\mu$ m	
Resolution	0.1 $\mu$ m (range<100 $\mu$ m)	
	1 $\mu$ m (range 100~1000 $\mu$ m)	
	10 $\mu$ m (range $\geq$ 1000 $\mu$ m)	
Repeatability	1 $\mu$ m (range 0~1000 $\mu$ m)	
	10 $\mu$ m (range $\geq$ 1000 $\mu$ m)	
Measuring mode	continuous or single	
Calibration mode	four points calibration	
Minimum substrate thickness	magnetic induction probe (Fe): 0.2mm, eddy current probe (NFe): 0.05mm	
Minimum measuring area	5x5mm, calibration should be made on workpiece without coating, test stand (optional) is recommended in order to have same position for calibration and measurement	
Power supply	2x1.5V AA batteries	
Dimension of main unit	122x65x22mm	
Weight of main unit	150g	

## STANDARD DELIVERY

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

## OPTIONAL ACCESSORY

Magnetic induction probe (Fe)	ISO-2000FN-FE
Eddy current probe (NFe)	ISO-2000FN-NFE
Test stand	ISO-2000FN-STAND