

COATING THICKNESS GAGE (HIGH PRECISION)
PART No. ISO-8000FN

SUITABLE FOR THIN COATING
BELOW .39mils

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



calibration foils (included)



zero calibration plate
(included)



stand (optional)



eddy current probe N2000
(optional)



eddy current probe N1500
(optional)



magnetic induction
probe F500
(included)

- Can measure thickness of thin coating below 10μm
- High repeatability
- Magnetic induction probe measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe 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 (not for chrome and zinc plating)
- Maximum, minimum, average and variance values can be calculated automatically

Eddy current probe (optional)

SPECIFICATION

Probe		F500 (included) magnetic induction probe	N1500 (optional) eddy current probe	N2000 (optional) eddy current probe
Measuring range		0~19.68mils	0~59.05mils	0~78.74mils
Resolution		.01mils		
Accuracy *		±(.02mils+2%L)		
Repeatability *		≤(.008mils+.8%L)		≤(.008mils+1%L)
Measuring mode		single and continuous		
Measure interval	Single mode	1.5s	.8s	
	Continuous mode	.4s	.4s	
Calibration mode		zero calibration and multi-points calibration (1~5 points)		
Minimum substrate thickness		.004"	.002"	
Minimum measuring area		.27" DIA		.98" DIA
Minimum radius of curvature workpieces	convex surface	.06"		
	concave surface	.39"		
Unit		mil/μm		
Power supply		4×1.5V AAA batteries		
Dimension		5.83×2.99×1.02"		
Weight		.33lb		

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe	1 pc
Zero calibration plate	1 pc
Calibration foils (.22mils, .46mils, .97mils, 1.97mils, 3.94mils, 9.92mils, 15.35mils)	1 set
1.5V AAA battery	4 pcs

OPTIONAL ACCESSORY

Eddy current probe (with zero calibration plate and standard foil)	ISO-8000FN-N1500 **
Eddy current probe (with zero calibration plate and standard foil)	ISO-8000FN-N2000
Stand	ISO-8000FN-STAND

* L is measuring thickness in mils

** For precision measurement of thin coating below .39mils, please use the stand for eddy current probe