

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

SUITABLE FOR THIN COATING  
BELOW .4mils

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATES



calibration foils (included)



zero calibration plate  
(included)



stand  
(optional)



eddy current probe  
(optional)



ISO-8000FN

magnetic induction probe  
(included)

- Can measure thickness of thin coating below .4mils
- 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

## SPECIFICATION

Probe		Magnetic induction probe (included)	Eddy current probe (optional)*
Measuring range		0~19.6mils	0~59.0mils
Resolution		.01mils	
Accuracy		±(.02+2%L)mils L is measuring thickness in mils	
Repeatability		≤(.008+.8%L)mils L is measuring thickness in mils	
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		.3" DIA	
Minimum radius of curvature workpieces	Convex surface	.06"	
	Concave surface	.4"	
Unit		µm / mil	
Power supply		4×1.5V AAA batteries	
Dimension		5.8"×3.0"×1.0"	
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)	ISO-8000FN-N1500*
Stand	ISO-8000FN-STAND

\* For precision measurement of thin coating below 0.4mils, please use the stand for eddy current probe