

COATING THICKNESS GAGE (HIGH PRECISION) CODE ISO-8000FN

SUITABLE FOR THIN COATING
BELOW 10µm

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



calibration foils (included)



stand
(optional)



eddy current probe N2000
(optional)



zero calibration plate
(included)



eddy current probe N1500
(optional)



ISO-8000FN

magnetic induction probe
(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

SPECIFICATION

Probe		Magnetic induction probe (included)	Eddy current probe (optional)*	
Measuring range		0~500µm	0~1500µm	0~2000µm
Resolution		0.1µm (range<100µm) 1µm (100µm≤range≤500µm)	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1.00mm≤range≤1.50mm)	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1.00mm≤range≤2.00mm)
Accuracy		±(0.5+2%L)µm L is measuring thickness in µm		
Repeatability		≤(0.2+0.8%L)µm L is measuring thickness in µm		≤(0.2+1%L)µm L is measuring thickness in µm
Measuring mode		single and continuous		
Measure interval	Single mode	1.5s	0.8s	
	Continuous mode	0.4s	0.4s	
Calibration mode		zero calibration and multi-points calibration (1~5 points)		
Minimum substrate thickness		0.1mm	0.05mm	
Minimum measuring area		Ø7mm		Ø25 mm
Minimum radius of curvature workpieces	convex surface	1.5mm		
	concave surface	10mm		
Unit		µm/mil		
Power supply		4×1.5V AAA batteries		
Dimension		148×76×26mm		
Weight		148g		

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe	1 pc
Zero calibration plate	1 pc
Calibration foils (5.6µm, 11.6µm, 24.6µm, 50.0µm, 100µm, 252µm, 390µm)	1 set
1.5V AAA battery	4 pcs

OPTIONAL ACCESSORY

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

* For precision measurement of thin coating below 10µm, please use the stand for eddy current probe