

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

SUITABLE FOR THIN COATING
BELOW 10µm

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

SPECIFICATION

Probe	F500 (included) magnetic induction probe	N1500 (optional) eddy current probe	N2000 (optional) eddy current probe
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 *	±(0.5µm+2%L)		
Repeatability *	≤(0.2µm+0.8%L)		≤(0.2µm+1%L)
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 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 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 µm

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