

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
(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
Resolution	0.1μm (range<100μm) 1μm (100μm≤range≤500μm)	0.1μm (range<100μm) 1μm (100μm≤range<1000μm) 0.01mm (1.00mm≤range≤1.50mm)
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	
Measuring mode	single and continuous	
Measure interval	Single mode	1.5s
	Continuous mode	0.4s
Calibration mode	zero calibration and multi-points calibration (1~5 points)	
Minimum substrate thickness	0.1m	0.05mm
Minimum measuring area	Ø7mm	
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*
Stand	ISO-8000FN-STAND

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