

COATING THICKNESS GAGE CODE ISO-3500FN



FOR MAGNETIC AND
NON-MAGNETIC MATERIALS

NOT SUITABLE FOR
ROUGH SURFACES

- Integrated with magnetic-induction probe (Fe) and eddy current probe (NFe), switch to the suitable probe automatically according to the material to be measured
- Magnetic induction probe (Fe) is to measure the thickness of non-magnetic coating on magnetic substrate
Substrate: iron, steel, magnetic stainless steel (does not include non-magnetic stainless steel)
Coating: zinc, copper, chrome-tin, plastic powder, paint (does not include nickel)
- Eddy current probe (NFe) is to measure the thickness of non-conductive coating on non-magnetic metal substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic powder, paint, anodizing
- Set zero without calibration foil
- Power off automatically (40 seconds without operation)

SPECIFICATION

Measuring Range	10~3500 μ m	
Accuracy	$\pm(2\%L+1)\mu$ m (range<1000 μ m) $\pm(3.5\%L)\mu$ m (range \geq 1000 μ m)	L is measuring thickness in μ m
Resolution	0.1 μ m (range<100 μ m)	
	1 μ m (range100~1000 μ m)	
	10 μ m (range \geq 1000 μ m)	
Repeatability	1 μ m (range<1000 μ m)	
	10 μ m (range \geq 1000 μ m)	
Measuring mode	continuous and single	
Calibration mode	zero calibration	
Minimum substrate thickness	magnetic-induction: 0.2mm, eddy current: 0.05mm	
Minimum measuring area	10 \times 10mm	
Minimum curvature radius of workpiece	concave	30mm
	convex	5mm
Power supply	9V battery	
Dimension	118 \times 58 \times 38mm	
Weight	150g	

STANDARD DELIVERY

Main unit	1pc
Zero calibration block for Fe probe	1pc
Zero calibration block for NFe probe	1pc
9V battery	1pc

OPTIONAL ACCESSORY

Standard foil (for checking accuracy) 20 μ m, 50 μ m, 100 μ m, 250 μ m	ISO-3500FN-FOIL
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