

# COATING THICKNESS GAGE

main unit  
ISO-3000FN



probe interface

magnetic induction and eddy current integrated probe (optional)  
ISO-3000FN-52DS



probe can rotate 0~90°, suitable for inclined surfaces, grooves and bore surfaces

magnetic induction probe (optional), for bores and grooves  
ISO-3000FN-3T



Software for PC (included), connected to PC by wireless, upload the memory to PC

DATA  
OUTPUT

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATE



- 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
- Low and high limits with judgement
- Two points calibration
- Memory of 10000 measurement values for browsing and output
- Power off automatically

## MAIN UNIT SPECIFICATION

Code	ISO-3000FN
Accuracy	±1μm (range<100μm) ±(1%L)μm (range 100~1000μm) ±(3%L)μm (range 1000~2000μm) ±(5%L)μm (range>2000μm) L is measuring thickness in μm
Resolution	0.1μm (range<100μm) 1μm (range 100~1000μm) 10μm (range>1000μm)
Repeatability	1μm (range<1000μm) 10μm (range>1000μm)
Measuring mode	single and continuous
Calibration mode	two points calibration
Minimum substrate thickness	magnetic induction (Fe): 0.3mm eddy current (NFe): 0.05mm
Output	wireless
Power supply	3×1.5V AA battery
Dimension	198×92×35mm
Weight	265g

## PROBE (OPTIONAL) SPECIFICATION

Code	ISO-3000FN-52DS	ISO-3000FN-3T
Measuring range	magnetic induction probe (Fe)	0~5000μm
	eddy current probe (NFe)	0~2500μm
Minimum measuring area	Ø6mm	Ø3mm
Minimum curvature radius of workpiece	concave	38mm
	convex	6mm
		13mm
		2mm

## STANDARD DELIVERY

Main unit	1pc
Zero calibration block for Fe probe	1pc
Zero calibration block for NFe probe	1pc
USB wireless receiver and software	1pc
Standard foil	2pcs
1.5V AA battery	3pcs



USB wireless receiver (included)



standard foils (included)

## OPTIONAL DELIVERY

Magnetic induction and eddy current integrated probe	ISO-3000FN-52DS
Magnetic induction probe (for bores and grooves)	ISO-3000FN-3T