

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

DATA
OUTPUT

COATING THICKNESS GAGE PART NO. 9501-1200

- Magnetic induction probe (FE) measures the thickness of non-magnetic coating and non-metallic coating on magnetic substrate.
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) 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)
- Tolerance measurement
- Automatic power off



magnetic induction
probe FE (included)



calibration foils
(included)



zero calibration
block for Fe
(included)



data transmission
cable (optional)



eddy current probe
NFE (optional) with
zero calibration block



magnetic induction
probe FE90 for bores
and grooves (optional)



magnetic induction
probe FE10 for large
range (optional)

SPECIFICATION

Probe type	FE (included) magnetic induction probe	NFE (optional) eddy current probe	FE90 (optional) magnetic induction probe for bores and grooves	FE10 (optional) magnetic induction probe with big range
Measuring range	0~50mils	0~50mils	0~50mils	20~400mils
Resolution	.01mils			.1mils
Accuracy	±(3%L+.04)mils (range≤50mils) ±(3%L+.4)mils (range>50mils)		L is measuring thickness in mils	
Measuring mode	continuous and single			
Minimum substrate thickness	.02"	.01"	.02"	.08"
Minimum measuring area	.3" DIA	.2" DIA	.3" DIA	1.6" DIA
Minimum curvature radius of convex workpiece	.06"	.12"	—	.40"
Memory	500			
Output	USB			
Power supply	2×1.5V AA batteries			
Dimension	5.0×2.7×1.3"			
Weight	.7lb			

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FE)	1 pc
Zero calibration block for FE probe	1 pc
Calibration foils (50µm/2mils, 100µm/4mils, 250µm/10mils, 500µm/20mils, 1000µm/40mils)	1 set
1.5V AA battery	2 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Data transmission cable	9501-1200-SPC
Eddy current probe (NFe) with zero calibration block	9501-1200-NFE
Magnetic induction probe (Fe90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (Fe10) for large range	9501-1200-FE10