

COATING THICKNESS GAGE CODE 9501-1200

DATA
OUTPUT

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES



eddy current probe
NFE (optional) with
zero calibration block



magnetic induction
probe FE90 for bores
and grooves (optional)



magnetic induction
probe FE10 with big
range (optional)



zero calibration block
for FE (included)



calibration foils
(included)



magnetic induction
probe FE (included)



VIDEO



software CD
(included)

- 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 (nickel is not included)
- Eddy current probe (NFE) is to measure the thickness of non-conductive coating on non-magnetic substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing
- Low and high limits with judgement
- Automatic power off

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	0~1250µm	0~1250µm	0~1250µm	500~10000µm
Accuracy	$\pm(3\%L+1)\mu\text{m}$ (range $\leq 1250\mu\text{m}$) $\pm(3\%L+10)\mu\text{m}$ (range $> 1250\mu\text{m}$) L is measuring thickness in µm			
Resolution	0.1µm (range $< 100\mu\text{m}$) 1µm (range $\geq 100\mu\text{m}$)			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	---	10mm
Memory	500			
Power supply	2×1.5V AA batteries			
Dimension	128×68×32mm			
Weight	340g			

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

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) with big range	9501-1200-FE10