COATING THICKNESS GAUGES (STANDARD TYPE)

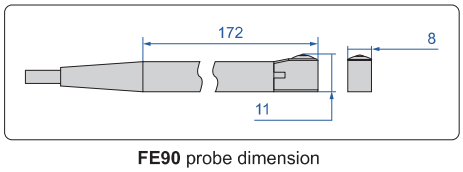
INSPECTION CERTIFICATE | FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES | DATA OUTPUT



9501-1200

- Magnetic induction probe (FE) 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, 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
- Data statistic, including average, variance, maximum and minimum values
- Automatic power off

Unit: mm



FE90 probe dimension

SPECIFICATION

Code	9501-1200	9501-1200N	9501-1200WL	9501-1200NWL
Probe	magnetic induction probe	eddy current probe	magnetic induction probe	eddy current probe
Data transmission	USB, bluetooth (with optional bluetooth receiver)		USB, wireless (with optional **7315** series wireless receiver)	
Measuring range	refer to the specification of probes			
Accuracy	±(3%L+1)μm (range≤1250μm) ±(3%L+10)μm (range>1250μm) L is measuring thickness in μm			
Resolution	0.1μm (range<100μm) 1μm (range≥100μm)			
Measuring mode	continuous and single			
Storage capacity	600			
Output	Type-C			
Power supply	2×1.5V AA batteries			
Dimensions (L×W×H)	135×77×32mm			
Net weight	172g			

SPECIFICATION OF PROBES

Code	Range	Minimum substrate thickness	Minimum measuring area	Minimum curvature radius of convex workpiece	Probe type
9501-1200-FE	0~1250μm	0.5mm	Ø7mm	1.5mm	magnetic induction probe (**FE**)
9501-1200-FL	0~1250μm	0.5mm	Ø7mm	1.5mm	right-angle magnetic induction probe (**FL**)
9501-1200-NFE	0~1250μm	0.3mm	Ø15mm	3mm	eddy current probe (**NFE**)
9501-1200-FE90	0~1250μm	0.5mm	Ø7mm	-	magnetic induction probe (**FE90**) for bores and grooves
9501-1200-NFE90	0~1250μm	0.3mm	Ø15mm	-	eddy current probe (**NFE90**) for bores and grooves
9501-1200-FE10	500μm~10000μm	2mm	Ø40mm	10mm	magnetic induction probe (**FE10**) for large range

STANDARD DELIVERY

Code	9501-1200, 9501-1200WL	9501-1200N, 9501-1200NWL
Magnetic induction probe (9501-1200-FE)	1 pc	-
Zero calibration block for FE probe	1 pc	-
Eddy current probe (9501-1200-NFE)	-	1 pc
Zero calibration block for NFE probe	-	1 pc
Main unit	1 pc	
Software and USB cable	1 pc	
Calibration foils (50/100/250/500/1000μm)	5 pcs	
1.5V AA battery	2 pcs	

OPTIONAL ACCESSORY

Code	9501-1200	9501-1200N	9501-1200WL	9501-1200NWL
Probe	9501-1200-NFE 9501-1200-FL 9501-1200-FE90 9501-1200-NFE90 9501-1200-FE10	9501-1200-FE 9501-1200-FL 9501-1200-FE90 9501-1200-NFE90 9501-1200-FE10	9501-1200-NFE 9501-1200-FL 9501-1200-FE90 9501-1200-NFE90 9501-1200-FE10	9501-1200-FE 9501-1200-FL 9501-1200-FE90 9501-1200-NFE90 9501-1200-FE10
Bluetooth receiver	ISR-C300-RECEIVER		/	
Cable of bluetooth receiver	9501-1200-CABLE		/	
Bluetooth printer	ISR-C002-PRINTER		/	
Wireless receiver	/		7315-2/3/6/7/8/9	



zero calibration block (included)



calibration foils (included)



eddy current probe **NFE** with zero calibration block (**9501-1200N** included)



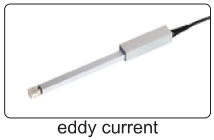
right-angle magnetic induction probe **FL (optional)**



magnetic induction probe **FE10** for large range (**optional**)



magnetic induction probe **FE90** for bores and grooves (**optional**)



eddy current probe **NFE90** for bores and grooves (**optional**)



bluetooth receiver (**optional**)



wireless receiver (**optional**)