

BUILT-IN WIRELESS COATING THICKNESS GAUGES

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

BUILT-IN
WIRELESS

DATA
OUTPUT

INSPECTION
CERTIFICATE



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



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



calibration foils
(included)



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



zero calibration block
(included)



receiver (**optional**)

- 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
- Data can be sent to Excel by connecting to computers via wireless transmission
- Automatic power off



9501-1200WL

FE90 probe dimension



SPECIFICATION

Part No.	9501-1200WL	9501-1200NWL
Probe	magnetic induction probe	eddy current probe
Measuring range	refer to the specification of probes	
Accuracy	$\pm(3\%L+.04)\text{mils}$ (range $\leq 50\text{mils}$) $\pm(3\%L+.4)\text{mils}$ (range $> 50\text{mils}$) L is measuring thickness in mils	
Resolution	$.01\text{mils}$ (range $\leq 10\text{mils}$) $.1\text{mils}$ (range $> 10\text{mils}$)	
Measuring mode	continuous and single	
Storage capacity	600	
Output	Type-C	
Power supply	2×1.5V AA batteries	
Dimension	5.31×3.03×1.26"	
Weight	.38lb	

STANDARD DELIVERY

Part No.	9501-1200WL	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 (2/4/10/20/40mils)	5 pcs	
1.5V AA battery	2 pcs	

OPTIONAL ACCESSORY

Part No.	9501-1200WL	9501-1200NWL
Probe	9501-1200-NFE, 9501-1200-FE90, 9501-1200-FE10	9501-1200-FE, 9501-1200-FE90, 9501-1200-FE10
Receiver	7315-2/3/6/7/8/9	

SPECIFICATION OF PROBES

Part No.	Range	Minimum substrate thickness	Minimum measuring area	Minimum curvature radius of convex workpiece	Probe type
9501-1200-FE	0~50mils	.02"	.28" DIA	.06"	magnetic induction probe (FE)
9501-1200-NFE	0~50mils	.01"	.59" DIA	.12"	eddy current probe (NFE)
9501-1200-FE90	0~50mils	.02"	.28" DIA	—	magnetic induction probe (FE90) for bores and grooves
9501-1200-FE10	20mils~4000mils	.08"	1.57" DIA	.40"	magnetic induction probe (FE10) for large range