

WIRELESS COATING THICKNESS GAUGES

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

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

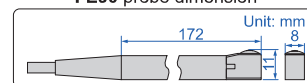


9501-1200WL

button for data
transmission

magnetic induction
probe **FE** (included)

FE90 probe dimension



SPECIFICATION

Code	9501-1200WL	9501-1200NWL
Probe	magnetic induction probe	eddy current probe
Measuring range	refer to the specification of probes	
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	$0.1\mu\text{m}$ (range $< 100\mu\text{m}$) $1\mu\text{m}$ (range $\geq 100\mu\text{m}$)	
Measuring mode	continuous and single	
Storage capacity	600	
Output	Type-C	
Power supply	2×1.5V AA batteries	
Dimension	135×77×32mm	
Weight	172g	

STANDARD DELIVERY

Code	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 (50/100/250/500/1000 μm)	5 pcs	
1.5V AA battery	2 pcs	

OPTIONAL ACCESSORY

Code	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

Code	Range	Minimum substrate thickness	Minimum measuring area	Minimum curvature radius of convex workpiece	Probe type
9501-1200-FE	0~1250 μm	0.5mm	$\varnothing 7\text{mm}$	1.5mm	magnetic induction probe (FE)
9501-1200-NFE	0~1250 μm	0.3mm	$\varnothing 15\text{mm}$	3mm	eddy current probe (NFE)
9501-1200-FE90	0~1250 μm	0.5mm	$\varnothing 7\text{mm}$	—	magnetic induction probe (FE90) for bores and grooves
9501-1200-FE10	500 μm ~10000 μm	2mm	$\varnothing 40\text{mm}$	10mm	magnetic induction probe (FE10) for large range