

## 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)



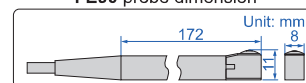
receiver (optional)

- 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

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 $\mu\text{m}$	
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 $\mu\text{m}$ )	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 $\mu\text{m}$	0.5mm	Ø7mm	1.5mm	magnetic induction probe (FE)
9501-1200-NFE	0~1250 $\mu\text{m}$	0.3mm	Ø15mm	3mm	eddy current probe (NFE)
9501-1200-FE90	0~1250 $\mu\text{m}$	0.5mm	Ø7mm	—	magnetic induction probe (FE90) for bores and grooves
9501-1200-FE10	500 $\mu\text{m}$ ~10000 $\mu\text{m}$	2mm	Ø40mm	10mm	magnetic induction probe (FE10) for large range