

BUILT-IN WIRELESS COATING THICKNESS GAUGES

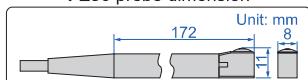
FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATESBUILT-IN
WIRELESSDATA
OUTPUTINSPECTION
CERTIFICATEeddy current probe **NFE**
with zero calibration block
(9501-1200NWL included)magnetic induction
probe **FE90** for bores
and grooves (optional)calibration foils
(included)magnetic induction
probe **FE10** for large
range (optional)zero calibration block
(included)

receiver (optional)

button for data
transmissionmagnetic induction
probe **FE** (included)

9501-1200WL

FE90 probe dimension



- 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

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 μm) $\pm(3\%L+10)\mu\text{m}$ (range $>$ 1250 μm) L is measuring thickness in μm	
Resolution	0.1 μm (range $<$ 100 μm) 1 μm (range \geq 100 μm)	
Measuring mode	continuous and single	
Storage capacity	600	
Output	Type-C	
Power supply	2 \times 1.5V AA batteries	
Dimension	135 \times 77 \times 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 7mm	1.5mm	magnetic induction probe (FE)
9501-1200-NFE	0~1250 μm	0.3mm	\varnothing 15mm	3mm	eddy current probe (NFE)
9501-1200-FE90	0~1250 μm	0.5mm	\varnothing 7mm	—	magnetic induction probe (FE90) for bores and grooves
9501-1200-FE10	500 μm ~10000 μm	2mm	\varnothing 40mm	10mm	magnetic induction probe (FE10) for large range