

SANKU ELECTRONIC LABORATORY Co.,Ltd.

ELECTRO-MAGNETIC / EDDY CURRENT COATING THICKNESS METERS

Exclusive probes for SWT series



Fe-2.5

Fe-0.6Pen

Fe-10



NFe-2.0

NFe-5

NFe-8

- Separate-interchangeable probes available with a main unit.
- Selections of probe for ferrous (electro-magnetic) or non-ferrous (eddy current) substrate depending on a measuring object.
- Capability of selections probe like high-stable probe to measure minute piece objects or alike depending on applications and a measurement range.

Specifications of SWT (Fe probes)

Models	Fe-2.5※1/2.5L	Fe-2.5LwA	Fe-0.6Pen
Methods	Magnetic inducing type		
Ranges	0~2.50mm		0~600μm
Display resolutions	1μm : 0~999μm switching to 0.1μm : 0~400μm		1μm : 0~600μm switching to 0.1μm : 0~400μm 0.5μm : 401~500μm

	0.5μm : 400~500μm 0.01mm : 1.00~2.50mm		
Accuracies (perpendicularly testing on flat face)	0~100μm : ±1μm or ±2% the reading value 101μm~2.50mm : ±2% 0~100μm : ± 1 μm or ±2% the reading value 101μm~600μm: ±2% the reading value		
Probes	One point contact constant pressure type, V cut 2.5 : φ15×47mm 2.5L : 18x23x67mm V type probe adaptors※2 /Non	One point contact constant pressure type, Measuring part : About 20x57mm Total Length : about 550~1,540mm (flexible) Non	One point contact constant pressure type, V cut φ5.6x92.2mm
Accessories	Standard thickness, Zero plate for testing (Fe)	Standard thickness, Zero plate for testing (Fe) Carrying case	Standard thickness, Zero plate for testing (Fe)
Measuring objects	Coating, lining, thermal spray films, plating (except electrolyte nickel plating) etc. on magnetic metal substrate like iron, steel.	Coating, lining, plating on high/hard-to-reach/remote place on magnetic metal substrate like iron, steel.	Coating, lining, plating on a narrow/small place and part substrate like iron, steel.

※1. Probes are heat-resistant (about 200°C) . (F e -2..5)

※2. V type probe adaptors (3 kinds: lessΦ5, Φ5~10, Φ10~20) can be used with Fe-2.5.

Models	Fe-10	Fe-20
Methods		Magnetic inducing type
Ranges	0~10mm	0~20mm
Display resolutions	1μm : 0~999μm 0.01mm : 1~10mm	1μm : 0~999μm 0.01mm : 1~5mm 0.1mm : 5~20mm
Accuracies (perpendicularly testing on flat face)	0~3mm : ±(5μm + 3% the read value) Over or 3.01mm : ±3% the read value	
Probes	One point contact constant pressure type, V cut φ18x47mm	One point contact constant pressure type, V cut φ35x55mm
Accessories	Standard thickness, Zero plate for testing (Fe)	
Measuring objects	Relatively thicker objects	Thick objects

Probe must be ordered separately.

Specifications of SWT (NFe probes)

Models	NFe-2.0※1/2.0L
Methods	Eddy current type
Ranges	0~2.00mm
Display resolutions	1μm : 0~999μm switching to 0.1μm : 0~400μm 0.5μm : 400~500μm 0.01mm : 1.00~2.00mm
Accuracies (perpendicularly on flat face)	0~100μm : ±1μm or ±2% the read value 101μm~2.00mm : ±2%
Probes	One point contact constant pressure type, V cut 2.0 : φ15×47mm 2.0L : 18x22x57mm V type probe adaptor※2/Non
Accessories	Standard thickness, Zero plate for testing (NFe)
Measuring objects	Insulated films on non-Magnetic metal substrates like aluminum, copper Relatively general use objects

Probe must be ordered separately.

※1. Probes are heat-resistant (about 200°C) . (N F e -2.0)

※2. V type probe adaptors (3 kinds : lessΦ5, Φ5~10, Φ10~20) can be used with NFe-2.0.

Models	NFe-0.6	NFe-5	NFe-8
Methods	Eddy current type		
Ranges	0~600μm	0~5mm	0~8mm
Display resolutions	1μm : 0~600μm switching to 0.1μm : 0~400μm 0.5μm : 400~500μm	1μm : 0~999μm 0.01mm : 1~5mm	1μm : 0~999μm 0.01mm : 1~8mm
Accuracies (perpendicularly on flat face)	0~100μm : ±1μm or ±2% the read value 101μm~600μm : ±2%	0~3mm : ±(5μm + ±3% the read value) Over or 3.01mm : ±3% the read value	0~3mm : ±(5μm + ±3% the read value) Over or 3.01mm : ±3% the read value
Probes	One point contact constant pressure type, φ13×45.5mm Non	One point contact constant pressure type, V cut φ20.4×47.1mm	One point contact constant pressure type, V cut φ35×59mm
Accessories	Standard thickness, Zero plate for testing (NFe)		
	Insulated films on non-Magnetic metal substrates like aluminum, copper		

Measuring objects	like aluminum, copper for high stability for narrow bar , tube, minute pieces	Relatively thick objects	Relatively thick objects
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