

TIME[®] 2605 **NEW**

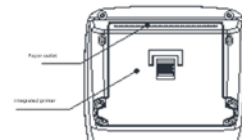
COATING THICKNESS GAUGE

Standard Delivery

- Main unit 1
- Probe 1
- Substrate 1
- Calibration foil 1
- Charger 1
- TIME certificate 1
- Warranty card 1
- Instruction manual 1

Features








- Two principles of operation are adapted: magnetic induction (ferrous) and eddy current (non-ferrous) to take non-destructive measurements.
- Features two working modes: DIRECT and BATCH & two measuring ways: CONTINUE and SINGLE
- Statistics include the mean, maximum, minimum, test numbers and standard deviation.
- Memory of 10000 data
- Adjustment and Correction: the system error can be corrected by basic calibrating method.
- Alarming function: alarming automatically if measuring values out of pre-set limitation
- Battery Indicator: Low battery indicator
- Printing function: Integrated thermal printer, measuring value, statistic value can be printed
- Error warning Function: error warning in display during malfunction
- Manual or automatic shutdown.









Technical Specification

Probe	F1.5	N1.5	FN1.5	F1.5R	F3.5	FN3.5	F10
Working principle	Magnetic induction	Eddy current	Both	Magnetic induction	Magnetic induction	Both	Magnetic induction
Measuring range	0-1500 μm				0-3500 μm	F: 0-3500 μm N: 0-3000 μm	0-10000 μm
Minimum resolution	0.1 μm				0.1 μm		1 μm
Tolerance	±(1%H+1)				±(1%H+3)		±(1%H+5)
Min. curvature radius	Convex 1.5 mm				Convex 5 mm		Convex 10mm
Min. area diameter	Φ7 mm				Φ10mm		Φ40mm
Critical thickness of the base	0.5 mm	0.3mm	F: 0.5mm N: 0.3mm	0.5 mm	0.5 mm		2mm
Temperature	10°C - 30°C						
Humidity	≤75%RH						
Working environment	No strong magnetic field						
Power	Li Battery 1 x 3.7V 2200mAh						
Dimension	203.4 x 92.1 x 52.1 (mm)						
Weight	400g (main unit)						

TIME2605 NEW Probe Specifications

							
Model	F1.5	N1.5	FN1.5	F1.5R	FN1.5R	FN1.5-90°	F3.5
Size (mm)	Φ15x103	Φ15x103	Φ15x103	Φ14.5x25x98.5	Φ14.5x25x98.5	Φ8x10.5x198.5	Φ21x50
Range(μm)	0-1500	0-1500	F : 0 - 1 5 0 0 N:0-1500	0-1500	F:0-1500 N:0-1500	F:0-1500 N:0-1500	0-3500
Tolerance(μm)	±(1%H+1)	±(1%H+1)	±(1%H+1)	±(1%H+1)	±(1%H+1)	±(1%H+1)	±(1%H+3)
Resolution(μm)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Minimum curvature radius for substrate(mm)	Convex1.5	Convex1.5	Convex1.5	Convex1.5	Convex1.5		Convex5
Minimum area diameter of substrate(mm)	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7	Φ10
Critical Thickness of the base(mm)	0.5	0.3	F: 0.5 N: 0.3	0.5	F: 0.5 N: 0.3	F: 0.5 N: 0.3	0.5

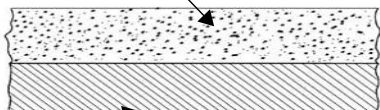
						
Model	FN3.5	F5	F10	F0.4-0°	F0.4-45°	F0.4-90°
Size (mm)	Φ21x50	Φ21x50	Φ27x47.5	Φ13x(125-160)	Φ13x(120-155)	Φ13x(120-155)
Range(μm)	F:0-3500 N:0-3000	0-5000	0-10000	0-400	0-400	0-400
Tolerance(μm)	±(1%H+3)	±(1%H+3)	±(1%H+5)	±(1%H+1)	±(1%H+1)	±(1%H+1)
Resolution(μm)	0.1	1	1	0.1	0.1	0.1
Minimum curvature radius for substrate(mm)	Convex5	Convex7	Convex10	Convex1.5	Convex1.5	Convex1.5
Minimum area diameter of substrate(mm)	Φ10	Φ15	Φ40	Φ3	Φ3	Φ3
Critical Thickness of the base(mm)	F: 0.5 N: 0.5	1	2	0.5	0.5	0.5

Application of two measuring methods

Magnetic induction (F)

- Coating: non-magnetic material
- Substrate (base): magnetic material

Any non-magnetic materials such as gold, copper, zinc, tin, lead, resin, rubber, glass and so on.

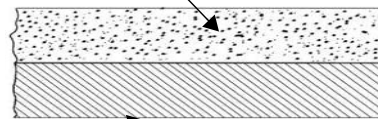


Any magnetic materials such as iron, steel, cobalt and nickel

Eddy current (N)

- Coating: non-conductors
- Substrate (base): non-magnetic metals

Any non-conductors such as painting, synthetic resin, rubber, glass and so on



Any non-magnetic metals such as brass, copper, aluminum and so on.