

TIME[®]2500/2501

COATING THICKNESS GAUGE

Standard Delivery

•Main unit	1
•Calibration foil set	1
•Substrate	1
•AAA1.5V battery	2
•TIME certificate	1
•Warranty card	1
•Instruction manual	1



Features

- TIME2500 is integrated with probe F: magnetic induction principle to test the thickness of non-magnetic materials (e.g. paint, plastic, porcelain enamel, copper, zinc, aluminum, chrome etc.) on magnetic materials (e.g. iron, nickel etc.).
- TIME2501 is integrated with Probe N: the eddy current principle to measure the thickness of insulating coatings on non-magnetic materials (enamel, rubber, paint and plastics coatings on the base of copper, aluminum, zinc, tin, etc.).
- Zero point calibration and two-point calibration to correct the system error of the probe
- 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 500 data
- Deletion of current data, calibrated data, limit data and all data stored.
- Low battery indication and error alarm
- Buzz during operation for indication
- Backlight for the screen
- Auto or manual shutdown

Technical Specification

Probe Type		TIME2500		TIME2501	
Measuring methods		Magnetic induction(F)		Eddy current(N)	
Measuring range		0~1250μm			
Display resolution		0.1μm			
Tolerance	Zero point calibration(μm)	± (3%H+1)		± (3%H+1.5)	
	Two points calibration(μm)	± [(1%~3%) H+1]		± [(1%~3%) H+1.5]	
Measuring condition	Min.curvature radius(mm)	convexity 1.5	concave 9	convexity 3	concave 10
	Min.testing area diameter(mm)	Ø7		Ø5	
	Critical thickness of substrate (mm)	0.5		0.3	
Power		AAA 1.5V Battery (2 pcs)			
Working environment		0~40℃; humidity: 20%~90%			
Dimensions (mm)		145×60×28			
Weight (g)		132			