

TIME[®]2510E

COATIn G THICKn ESS GAUGE

Standard Delivery

●Main unit	1
●Substrate	2
●Calibration foil	1
●AAA 1.5V battery	2
●TIME certificate	1
●Warranty card	1
●Instruction manual	1

Optional Accessory

●Connecting cable
●Dataview

Features

- Two operation principles are adopted: magnetic induction (ferrous) and eddy current (non-ferrous) to take non-destructive measurements
- Zero point calibration and two-point calibration to correct the system error of the probe
- Two working modes: DIRECT and BATCH & two measuring ways: COntInUE and SInGLE
- Statistics include the mean, maximum, minimum, test numbers and standard deviation.
- Automatic recognition of the substrate.
- Memory of 600 data
- Deletion of current data, calibrated data, limit data and all data stored.
- Low battery indication and error alarm
- Buzz during operation for indication
- Auto or manual shutdown



Technical Specification

Probe types		F	n
Working principle		Magnetic induction	Eddy current
Measuring range		0-1250 μm	0-1250 μm, 0-40μm (for chrome plate on copper)
Minimum resolution		0.1 μm	
Tolerance	Zero point calibration	±(3%H+1) μm	±(3%H+1) μm
		H means the thickness of tested piece	
	Two points calibration	±{(1-3)%H+1}μm	±{(1-3)%H+1}μm
		H means the thickness of tested piece	
Measuring condition	Min. curvature radius	Convexity 1.5 mm	Convexity 3 mm
	Min. area diameter	Φ7 mm	Φ5 mm
	Critical thickness of the base	0.5 mm	0.3 mm
Operating environment		Temperature: 0℃ - 40℃	
		Humidity: 20%-90%	
		no strong magnetic field	
Power		2 pcs AAA 1.5 V battery	
Dimension		110 x 50 x 23 (mm)	
Weight		100 g	