

TIME[®] 2510/2510E

COATING THICKNESS GAUGE

Standard Delivery

● Main unit	1
● Substrate	2
● Calibration foil	1
● TIME certificate	1
● Warranty card	1
● Instruction manual	1

Optional Accessory

● Connecting cable
● Dataview software

Features

- Two principle of operation 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 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



TIME2510

TIME2510E

Technical Specification

Probe types		F	N
Working principle		Magnetic induction	Eddy current
Measuring range		0-1250 μm	0-1250 μm , 0-40 μm (for chrome plate on copper)
Minimum resolution		0.1 μm	
Tolerance	Zero point calibration	$\pm(3\%H+1) \mu\text{m}$	$\pm(3\%H+1.5) \mu\text{m}$
		H means the thickness of tested piece	
	Two points calibration	$\pm\{(1-3)\%H+1\} \mu\text{m}$	$\pm\{(1-3)\%H+1.5\} \mu\text{m}$
		H means the thickness of tested piece	
Measuring condition	Min. curvature radius	Convexity 1.5 mm	Convexity 3 mm
	Min. area diameter	$\Phi 7 \text{ mm}$	$\Phi 5 \text{ mm}$
	Critical thickness of the base	0.5 mm	0.3 mm
Operating environment		Temperature: 0 $^{\circ}\text{C}$ - 40 $^{\circ}\text{C}$	
		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	