

TIME[®]2510

COATING THICKNESS 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 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
- Features 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



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		0.1μm	
Tolerance	Zero point calibration	$\pm(3\%H+1) \mu m$	$\pm(3\%H+1.5) \mu m$
		H means the thickness of tested piece	
	Two points calibration	$\pm\{(1-3)\%H+1\} \mu m$	$\pm\{(1-3)\%H+1.5\} \mu m$
		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°C - 40°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	