VIDEO

TEMPERATURE COMPENSATION

DATA OUTPUT

COATING THICKNESS GAUGE (HIGH ACCURACY)
CODE 5401-TC11



eddy current probe
NM (optional)

- Magnetic induction probe (FM) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
  Substrate: steel, iron, alloy, hard magnetic steel, etc.
  Coating: zinc, aluminum, chrome, copper, rubber, paint, etc.
- Eddy current probe (NM) measures the thickness of non-conductive coating on non-magnetic metal substrate.
  Substrate: copper, aluminum, zinc, tin, etc.
  Coating: rubber, paint, plastic, anodized film, etc.
- Real-time temperature compensation guarantees high accuracy, thin plating and oxide layer less than 20μm can be measured accurately
- Reduces the effects of electromagnetic interference and hand-held operation
- Probe can be re-matched after abrasion
- Tolerance measurement with adjustable alarm threshold
- USB interface for data transmission
- Coupling status indication
- Support cable printer



magnetic induction probe
FM (included)

SPECIFICATION

Probe		**FM** (included) magnetic induction probe	**NM (optional)** eddy current probe
Range		0~1500μm	0~1500μm (chrome plating on copper: 0~40μm)
Resolution		0.1μm (<100μm) 1μm (100μm~1500μm)	
Accuracy*	**zero calibration**	±(1μm+2%L)	
	one-point calibration	±(1μm+2%L)	
	two-point calibration	±[1μm+(1~2)%L]	
	multi-point calibration	±(1μm+1%L)	
Measuring mode		single point measurement, scan mode, differential mode, average mode	
Calibration mode		zero calibration, one-point calibration, two-point calibration, multi-point calibration	
Test frequency		3 times per second	
Minimum substrate thickness		0.5mm	0.3mm
Minimum measuring area		Ø7mm	Ø5mm
Minimum curvature radius of convex workpiece		1.5mm	3mm
Data storage		500 groups	
Interface		USB	
Operation temperature		-10°C~50°C	
Power supply		3×1.5V AAA batteries	
Dimension		150×70×30mm	
Weight		160g	

*L is measuring thickness in μm

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FM)	1 pc
Zero calibration block for FM probe	1 pc
Calibration foils(12/50/100/250/500/1000μm)	6 pcs
AAA battery	3 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Eddy current probe (NM) (with zero calibration block for NM probe)	**5401-TC11-NM**
Cable printer	**5401-TC11-PRINTER**