TIME Precision Measuring Instrument

Coating Thickness Gauge TT220 / 230

Coating thickness gauges are essential to check the exact amount of coating done on your product. A less amount of coating means the coating will wear out in the initial use and more coating layers means it will either crack or spread unevenly giving the surface unbalanced look with some part more glossier than other. Coating is done in most cases to provide a anti corrosion for your products. This instrument checks the layers of coatings on ferrous and non ferrous using eddy and magnetic current. F probe means on ferrous and Probe N is for non ferrous applications. Probe F works on magnetic induction principals and is commonly used for checking insulated coating like paint, enamel and non ferrous coating on ferrous objects. Probe N measures insulating coating on non-ferrous by eddy current method.

Features:

- TT220: integrated probe F
- TT230: Integrated probe N
- 2 measurement modes : continuous / single
- 5 statistical ways : Mean values / Max. values / Min. values / testing numbers. (NO.) / standard deviations (S.Dev)

- 15 measurement readings stored
- low battery indication
- Automatically switch off
- Real time or batch printing with TA230 printer

Technical Specification:-

		TT220	TT230
Probe types		F	N
Measuring methods		magnetic induction	eddy current
Measuring range		0 to 1250μm	
Display resolution		1μm (0.1μm when thickness is less than 10μm)	
Tolerance	One points calibration	± (3% H + 1)	± (3% H + 1.5)
		H means the thickness of tested piece	
	Two points calibration	± [(1~3)% H + 1]	± [(1~3)% H + 1.5]
		H means the thickness of tested piece	
Measuring condition	Min. curvature radius (mm)	Convexity 1.5	Convexity 3
	Min. testing area diameter (mm)	Ø7	Ø5
	Critical thickness of substate (mm)	0.5	0.3
Power supply		Rechargeable NiMH battery (2pcs)	
Working temperature		0 - 40°C	
Dimensions		150mm × 53mm × 22mm	
Weight		150g	

Standard Delivery

- Main unit 1
- Charger 1
- Calibration foil set 1
- Substrate 1
- Protection pocket 1
- Instruction manual 1
- TIME certificate 1
- Warranty card 1

Optional Accessory

- Printer TA230 (see page 47)
- Connecting cable