

EC-500 Coating Thickness Gauge



These gauges can be used for non-destructive coating thickness measurement of non-magnetic coatings, e.g. paint, enamel, chrome on steel, and insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals.

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- High accuracy and stability
- LCD shows number, mean, maximum, minimum
- Easy to do zero calibration
- Power off automatically
- Low battery indication
- Detect the substrates type automatically



Model	EC-500	EC-500F	EC-500N
Probe	F-Probe & N-Probe	F-Probe	N-Probe
Measuring Principle	Magnetic induction & Eddy Currents	Magnetic induction	Eddy Currents
Measuring Range	0 to 1500um		
Accuracy	± (2%+1um)		
Resolution	0~99.9(0.1um) 100um~999um(1um) 1000um~1500um(0.01mm) 0mils~3.933mils (0.004mils), 3.934mils~39.39mils (0.01mils), 39.4mil~51.2mil (0.1mil)		
Calibration	One point to four point calibration, zero point calibration		
Data Group	One direct group(readings not be stored to memory) Four general groups (readings will be stored automatically) NOTE: each group have individual statistics, alarm limit settings and calibration		
Statistics	No. of readings, mean, minimum, maximum and standard deviation		
Units	um, mm, mil		
Alarm	User can set the high/low alarm limit; Alarm icon displayed on LCD when over the limit		
Minimum Curvature Radius Convex	1.5mm		

Minimum Curvature Radius Concave	25mm		
Minimum Measuring Area	Diameter 6mm		
Minimum Thickness Of Substrate	F-probe: 0.5mm(0.02");N-probe: 0.3mm(0.012")	0.5mm(0.02")	0.3mm(0.012")
Maximum Measuring Rate	Two readings per second		
Computer Interface	Download data via USB		
Power Supply	Two 1.5V AAA battery		
Operation Environment	Temperature: 0 to 40°C(32 to 104°F); Humidity: 20% to90%RH		
Storage Environment	Temperature: -20 to 70°C(-4 to 158°F)		
Standard Certification	ROHS ;WEEE;CE		
Dimensions	110mm*53mm*24mm(4.33"*2.09"*0.94")		
Case Material And Weight	ABS; 92g(3.24 oz)		

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