

## EC-770(with F&N probe) EC-770F(with F probe) EC-770N(with N probe) Coating Thickness Gauge

### INTRODUCTIONS

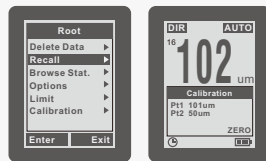
This compact gauge can be used for non-destructive coating thickness measurement of non-magnetic coatings, e.g. paint, enamel, chrome on steel, and insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals. The internal probe can work on both principles, magnetic induction(Probe F) and the eddy currents(Probe N). The probe can automatically detect the substrates type(Magnetic or not), and calculate the coating thickness and display it fast.

EC-770

EC-770F/EC-770N



- High Accuracy
- Easy to Use



### SPECIFICATIONS

	Probe F	Probe N
Measuring principle	Magnetic induction	Eddy current
Measuring range	0 to 1300um (0 to 51.18mils)	0 to 1300um (0 to 51.18mils)
Accuracy	±(3%+2um)	±(3%+2um)
Resolution	0um~999um(1um) 1000um~1300um(0.01mm)	0um~999um(1um) 1000um~1300um(0.01mm)
Calibration	One point to four point calibration, zero point calibration	
Data group	One direct group(readings not be stored to memory) Four general group(readings will be stored to memory) Note: Each group have individual statistics, alarm limit settings and calibration	
Statistics	No. of readings, mean, minimum, maximum and standard deviation	
Units	um, mm, mils	
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 5mm	
Minimum thickness of substrate	0.5mm(0.02" )	0.3mm(0.012" )
Maximum measuring rate	Readings per second	
Computer Interface	Download data via USB interface; Support analysis software	
Power supply	Two 1.5V AAA battery	
Operation environment	Temperature: 0 to 40°C(32 to 104°F); humidity: 20% to 90%rh	
Storage environment	Temperature: -20 to 70°C(-4 to 158°F)	
Size	110mmX53mmX24mm(4.33"X2.09"X0.94")	
Case material and weight	ABS; 84g(2.96oz)	

### APPLICATIONS

- Automobile Lacquer Detection
- Ships, Aircraft, Containers, Equipment Manufacturing Industry
- Paint, Coating, Thin Film Processing and Testing
- Electroplating

### FEATURES

- Including F and N Probe
- 128\*128 Dot Matrix LCD Display and Menu Interface
- Easy to Do Zero Calibration and Multi-Point Calibration
- Readings Can Be Stored, Recalled and Deleted
- Connect with PC via USB and Support Analysis software
- Two measure mode: single and continuous
- Two group mode: direct (DIR) and general(GEN)
- User can set high or low limit alarm for each group

*NOTE: EC-770S and EC-770E will be released.  
EC-770S will have better accuracy and stability.  
EC-770E will have an external probe.*

