



## Compact Coating Thickness Gauges

### EC-500A EC-500E

These compact 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.

- 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



Specifications	EC-500A	EC-500E (With external probe)
Measuring principle	Magnetic induction(F) Eddy current(N)	
Measuring range	0 to 1500um	
Accuracy	±(3%+1um)	
Resolution	0~99.9um(0.1um), others(1um)	
Power supply	Two 1.5V AAA battery	
Units	um, mm, mils	
Standards/Certificates	CE, ROHS, ISO 2178, 2360, GB/T 4956-2003, 4957-2003	
Storage environment	Temperature: -10 to 60°C	
Operation environment	Temperature: -10 to 50°C	
Size/Weight/Case material	116mmX53mmX24mm, 80g(int. probe)/144g(ext. probe), ABS	



• 0~1500um

#### EC-500A

Device with internal probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.



Cable Length=1m



Φ17mm  
Φ14mm  
Probe Length=67mm

#### EC-500E

Device with external probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.

## Ultra-High Accuracy Electroplating Coating Thickness Gauges

### EC-500X EC-500XE

These gauges are ultra-high accuracy meters and can mainly be used to measure electroplating coating thickness. It is used for non-destructive electroplating 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.

- Ultra-high accuracy and stability
- 128\*128 dot matrix LCD display and menu interface
- LCD can be rotated to be used easily
- LCD shows mean, maximum, minimum and standard deviation
- User can set alarm limit and red backlight indication
- Readings can be stored, recalled and deleted
- Easy to do zero calibration and support multi-point calibration
- Connect with PC via USB and download readings
- Multi-language supported
- Up to 5 measurement groups supported
- Detect the substrates type automatically



Specifications	EC-500X	EC-500XE (With external probe)
Measuring principle	Magnetic(F) Eddy current(N)	
Measuring range	0~500um	
Accuracy	±(1%+1um)	
Resolution	0~99.9um(0.1um), others(1um)	
Readings memory	2000 readings	
Power supply	Two 1.5V AAA battery	
Units	um, mm, mils	
Standards/Certificates	CE, ROHS, ISO 2178, 2360, GB/T 4956-2003, 4957-2003	
Storage environment	Temperature: -10 to 60°C	
Operation environment	Temperature: -10 to 50°C	
Size/Weight/Case material	113mmX53mmX24mm, 84g(int. probe)/146g(ext.), ABS	



• 0~500um  
• 1% accuracy

#### EC-500X

Device with optional probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 4 foils.



Cable Length=1m



#### EC-500XE

Device with optional probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 4 foils.