



# Ultra-High Accuracy Electroplating Coating Thickness Gauge

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## EC-500X / EC-500XE

The coating thickness gauge is with ultra-high accuracy meters and can be mainly used to measure the thickness of electroplating coatings. 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
- 128X128 dot matrix LCD display and menu interface
- LCD can be rotated and 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 multi-point calibration supported
- Connect with PC via USB to download readings
- Multiple languages supported
- Up to 5 measurement groups supported
- Detect the type of substrates automatically



## EC-500X

Device with Internal probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 4 foils.  
Part no.: 1000100066

## EC-500XE

Device with external probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 4 foils.  
Part no.: 1000100071



Specifications	EC-500X	EC-500XE
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents	
Measuring range	0~500µm	
Accuracy	±(1%+1µm)	
Resolution	0.1µm(0~99.9µm), 1µm(≥100µm)	
Readings memory	2000 readings	
Power supply	Two 1.5V AAA batteries	
Unit	µm, mm, mils	
Operation environment	Temperature: -10~50°C	
Storage environment	Temperature: -10~60°C	
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003	
Size / Weight / Case material	113mmX53mmX24mm,84g(int. probe) / 146g(ext. probe),ABS	