



EC500A

Economical Coating Thickness Measuring Device

The compact coating thickness gauge is designed for non-destructive measurement of coating thickness, making it ideal for assessing non-magnetic coatings such as paint, enamel, and chrome on steel, as well as insulating coatings like paint and anodized layers on non-ferrous metals.

Main Features

- * High measurement accuracy and stability.
- * LCD display shows number, mean, maximum, and minimum readings.
- * Simple zero calibration process.
- * Automatic shutdown for energy efficiency.
- * Low battery indicator for timely replacement.
- * Automatic substrate type detection.
- * Accurate Readings: Displays maximum, minimum, and average values.
- * Smart Detection: Automatically identifies substrate properties.
- * Reliable Measurements: Ensures precision even with probe retraction.
- * Effortless Operation: User-friendly probe adapts to surfaces quickly.
- * Non-Destructive: Measures coating thickness without damaging materials.
- * Versatile Compatibility: Works with ferromagnetic and non-ferromagnetic metals.



Economical Coating Thickness Gauge

EC-500A

The compact coating thickness 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.

- High accuracy and stability.
- LCD shows number, mean, maximum, minimum.
- Easy to do zero calibration.
- Auto shut down.
- Low battery indication.
- Detect the type of substrates automatically.

EC-500A

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



Specifications	EC-500A
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents
Measuring range	0~1500μm
Accuracy	±(3%+1μm)
Resolution	0.1μm(0~99.9μm), 1μm(≥100μm)
Unit	μm, mm, mils
Operation environment	Temperature: -10~50°C
Storage environment	Temperature: -10~60°C
Power supply	Two 1.5V AAA batteries
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003
Size / Weight / Case material	116mmX53mmX24mm, 80g(int. probe) / ABS