



PRODUCT DATA SHEET

EC-500A

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



Multiple Functions

* 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.



EC-500A

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.



Industrial Applications

- * Painting
- * Automotive
- * Manufacturing

Specifications:

SPECIFICATION	EC-500A
Measuring Principle	Fe: Magnetic induction; NFe: Eddy currents
Measuring Range	0–1500 µm
Accuracy	±(3% + 1 µm)
Resolution	0.1 µm (0–99.9 µm), 1 µm (\geq 100 µm)
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	116 mm x 53 mm x 24 mm, 80 g (incl. probe) / ABS

