



# PRODUCT DATA SHEET EC770SE

## Professional High Accuracy Coating Thickness Gauge

EC-770SE coating thickness gauge measures non-magnetic coatings on steel and insulating coatings on non-ferrous metals quickly, accurately, and non-destructively.



### Main Features

- \* High Accuracy & Stability.
- \* 128×128 LCD with Rotatable Display.
- \* Mean, Max, Min & Std. Deviation Display.
- \* Alarm Limit with Red Backlight.
- \* Data Storage, Recall & Deletion.
- \* Zero & Multi-Point Calibration.
- \* USB PC Connectivity.
- \* Multi-Language Support.
- \* Supports 5 Measurement Groups.
- \* Automatic Substrate Detection (F/N).
- \* Accurate Readings: Displays max, min, average, and standard deviation.
- \* Smart Detection: Auto-detects ferrous and non-ferrous substrates.
- \* Reliable Measurements: Ensures precision even with probe retraction.
- \* Effortless Operation: Rotatable LCD with user-friendly interface.
- \* Non-Destructive: Measures without damaging materials.
- \* Versatile Compatibility: Works with Fe and NFe metals.
- \* Data Management: Stores, recalls, and deletes up to 2000 readings.
- \* Calibration Support: Zero and multi-point calibration.
- \* Alarm System: Red backlight for user-defined limits.
- \* PC Connectivity: USB support for data transfer.
- \* Multi-Language Support: Supports various languages.
- \* Measurement Groups: Handles up to 5 groups.



Specifications		EC-770SE (With external probe)
Measuring principle	Fe: Magnetic induction NFe: Eddy currents	
Measuring range	0~2000um	
Accuracy	±(2%+1μm)	
Resolution	0.1μm(0~99.9μm), 1μm(≥100μm)	
Power supply	Two 1.5V AAA batteries	
Readings memory	320 readings for EC-770, 2000 readings for EC-770S / EC-770SE	
Unit	μm, mm, mils	
Size / Weight / Case material	114mmX53mmX25mm / 80g / ABS	
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003	
Storage environment	Temperature: -20~60°C	
Operation environment	Temperature: -20~60°C	

**EC-770SE**

Device with external F/N probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.

