



# PRODUCT DATA SHEET



## EC-777

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

## EC-777E

Device with separated probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.



## 2.4 inch color Screen Coating Thickness Gauge with Bluetooth & App Function

### EC-777 / EC-777E

The coating thickness gauge can nondestructive measure the thickness of non-conductive coatings on metal surfaces and non-ferromagnetic metal coatings on ferromagnetic metals (e.g. iron, nickel, cobalt, etc.), including measuring the thickness of iron, stainless steel surface paint or galvanized layer, measuring the thickness of aluminum, copper surface paint or plastic film.

- Double principles in one, ruby probe
- 2.4 inch color screen
- With Bluetooth and APP function
- Car or general mode
- High resolution  $0.1\ \mu\text{m}$
- High accuracy  $\pm(2\% + 1\ \mu\text{m})$
- Measuring range is  $0\sim 2000\ \mu\text{m}$  (other ranges can be customized)
- Statistic analysis of data
- Standardized menu interface
- Display a curve, bar chart or trend chart
- USB to computer
- Support zero calibration and multi-point calibration
- External probe is optional (EC-777E)
- Maximum measuring rate: 2 readings/s
- Backlight Adjustable
- Automatic rotation
- Sound volume adjustable
- Red LED alarm, blue and green LED status reminder
- Auto shut down
- Low battery protection



Model	EC-777	EC-777E
Probe type	Internal probe	Separated probe
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents	
Measuring range	0~2000μm	
Accuracy	±(2%+1μm)	
Resolution	0.1μm(0~100μm) ; 1μm(>100μm)	
Unit	μm, mm, mils, inch	
Calibration	Zero calibration and multi - point calibration	
Statistic	Number of readings, Max, Min, Mean, sample standard deviation, coefficient of variation, number below limit, number above limit	
Chart	Curve, bar chart or trend chart	
Readings memory	10X13X10 measurement data	
Probe trigger mode	Mechanical trigger, trigger force: 0.4~0.8N	
Minimum curvature radius	Convex 5mm ; Concave 25mm	
Minimum measuring area	Diameter 15mm	
Minimum thickness of substrate	Fe: 0.20mm ; NFe: 0.03mm	
Maximum measuring rate	2 readings / s	
Display	2.4 inch color screen	
Bluetooth & APP	Support	
Operation environment	Temperature: -10~50°C; Humidity: 20~90%RH (Non-condensing)	
Storage environment	Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing)	
Power supply	2 pcs 1.5V AA alkaline batteries ; 2 pcs 1.2V AA rechargeable batteries	
Protection class	IP40	
Size	146X76X32mm	Housing: 146X76X32mm ; Wire: Φ3.5X1000mm Probe: Φ17X67mm
Case material	ABS	Housing: ABS ; Probe: stainless steel
Weight	About 137g (No battery)	Housing: about 137g (No battery) Probe: about 63g
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003, JJG-818-2005	
Warranty	12 months	