

# 2.4 inch Color Screen 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 μm
- High accuracy ±(2%+1 μm)
- Measuring range is 0-2000 μm (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



### EC-777

Device with internal probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 fols.  
Part no.: 1000100004 (FN2.0)

### EC-777E

Device with separated probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 fols.  
Part no.: 1000100007 (FN2.0)



## Model EC-777E EC-777E

Probe type Internal probe Separated probe

Measuring principle Fe, Magnetic induction; NFe, Eddy currents

Measuring range 0-2000 μm

Accuracy ±(2%+1 μm)

Resolution 0.1 μm(0-100 μm); 1 μm(>100 μm)

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: Φ8.5X1000mm  
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, 2380, GB / T 4856-2003, 4857-2003, JJG418-2005

Warranty 12 months