

DESCRIPTION:

EC-570 series thickness gauge can non-destructively measure the thickness of non-conductive cladding on metal surfaces, as well as non-ferromagnetic metal cladding on ferromagnetic metal (such as iron, nickel and cobalt, etc.) surfaces. Specific uses include measuring the thickness of painted or galvanized layers on iron and stainless steel surfaces, measuring the thickness of painted or plastic films on aluminum and copper surfaces, etc.

EC-570 has a built-in magnetic induction and eddy current effect probe, with a measurement range of 0~2000 μm and $\pm(3\%+1\mu\text{m})$ measurement accuracy, and its resolution can reach up to 0.1 μm .

The EC-570 has only one button and is very easy to operate. When measuring, the user only needs to quickly attach the probe end to the surface of the object to be measured, and as the probe shrinks inside the instrument, the instrument can automatically distinguish the properties of the substrate and measure the thickness of the coating.

The EC-570 has two displays, with the large LCD screen on the front of the instrument and the smaller OLED screen on the top of the instrument. The dual display makes it easy for users to view the measurement results from different angles.

EC-570S upgrades the probe and improves the accuracy based on EC-570. EC-570S has an accuracy of $\pm(2\%+1\mu\text{m})$, and compared to EC-570, EC-570S is more resistant to interference and can work in more complex electromagnetic field environment.



EC-570 Coating Thickness Gauge

FEATURES:

- Dual screen display
- Ruby probe
- Reaction time less than 0.5 seconds
- Resolution up to 0.1 μm
- Accuracy $\pm(2\%+1\mu\text{m})$ (EC-570S)
- Measurement range 0~2000 μm
- Iron putty power identification (EC-570S)
- Iron-galvanized substrate recognition
- Indicator light prompt
- Data statistics and viewing
- Single button operation
- Zero calibration function
- Automatic shutdown
- Battery protection

APPLICATION:

- Automotive paint thickness detection
- Shipbuilding
- plating
- Metal anti-rust treatment
- Film thickness detection
- Hardware parts processing

Coating Thickness Gauge



EC-570
EC-570S

NOTE:

- Sun exposure avoided.
- Avoid direct contact with corrosive chemicals.
- Prevent the device from falling out.

WARNING:

- No private disassembly!
- Strictly prevent strong electricity and static shock!

FUNCTION AND TECHNICAL PATAMETERS:

Model	EC-570	EC-570S
Probe position	Internal	
Measurement principle	Fe:Magnetic induction;NFe:Eddy current effect	
Measurement range	0~2000 μ m	
Accuracy	$\pm(3\%+1\mu\text{m})$	$\pm(2\%+1\mu\text{m})$
Resolution	0.1 μm (0~100 μm); 1 μm (>100 μm)	
Unit	mm,mm,mil	
Iron putty power identification range	/	0~1000 μm
Iron galvanized identification range	3~500 μm	
User calibration method	Zero calibration	
Probe trigger force	0.5~1.2N	
Minimum radius of curvature of substrate	Convex 5mm Concave 25mm	
Minimum measurement area	Diameter 15mm	
Minimum substrate thickness	Fe:0.30mm;NFe:0.05mm	Fe:0.20mm;NFe:0.03mm
Reaction time	Less than 0.5 seconds	
Display	Dual screen display	
Operation temperature	-10~+50 $^{\circ}\text{C}$	
Storage temperature	-20~+60 $^{\circ}\text{C}$	
Power supply	2 AAA 1.5V alkaline batteries; 2 AAA 1.2V rechargeable batteries	
Protection class	IP40	
Dimensions	101*64*25mm	
Material	ABS	
Weight	About 65g (without batteries)	About 60g (without batteries)

DIGINDT.IR
FGJ-NDT.IR

 **+982165565901**

 **+982144584619**

 **+989034119385**

 **Tehran, Tehransar**