Professional Coating Thickness Gauge

EC-770X / EC-770XE

It can non-destructively measure the thickness of non-conductive coating on metal surface and non-ferromagnetic metal coating on ferromagnetic metal surface. EC-770X thickness gauge has a built-in precision probe integrating magnetic induction and eddy current effect. EC-770XE has an external probe.

- Ruby probe
- High resolution 0.1µm
- 5000µm Massive Process
- Display maximum, minimum, average
- Red backlight alarm
- Standardized menu interface
- Recording data and transmitting computers
- Support for user calibration
- Maximum measurement speed 2 readings/sec
- Manual rotating screen
- Display with backlight
- Automatic shutdown
- Battery protection

1m Φ3.5mm   67mm   Φ17mm

EC-770X
Device with internal probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.

EC-770XE
Device with external probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.

Model	EC-770X	EC-770XE
Probe position	Internal	External
Measuring principle	Fe: magnetic induction; NFe: eddy current effect	
Measuring range	Fe: 0~5000µm; NFe: 0~3000 Other measurements can be customized	
Accuracy	±(2%+1µm)	
Resolution	0.1µm (0~99.9µm); 1µm (≥100µm)	
Unit	µm, mm, mils	
Calibration	Zero calibration, point calibration	
Statistics	Number of data, maximum, minimum, mean, standard variance	
USB data transmission	Support	
Storage capacity	2000 measurements	
Probe triggering force	0.3~0.8N	
Minimum radius of curvature of substrate	Convex 5mm Concave 25mm	
Minimum measurement area	Diameter 10mm	
Minimum substrate thickness	Fe: 0.20mm; NFe: 0.03mm	
Maximum measured speed	2 readings / sec	
Display	Dot Display	
Operating environment	Temperature: -10~+50℃; Humidity: 20~90% RH (non-condensing)	
Storage environment	Temperature: -20~+60℃; Humidity: 20~90% RH (non-condensing)	
Power supply	2 AAA 1.5V alkaline batteries 2 AAA 1.2V rechargeable batteries	
Protection class	IP40	
Dimensions	113X53X25mm	Host:113X53X25mm Line:Φ3.5X1000mm Probe:Φ17X67mm
Material	ABS	Host:ABS Probe:stainless steel
Weight	About 80g (without batteries)	About 140g (without batteries)
Standard	CE, ROHS,ISO 2178, 2360, GB/T 4956-2003, 4957-2003, JJG-818-2005	