

EC-5 2000um Coating Thickness Gauge



Features

- ✓ Ruby probe
- ✓ 2 inch colour screen
- ✓ With Bluetooth and mobile APP function
- ✓ Car or general mode
- ✓ Resolution is up to 0.1 μ m
- ✓ Measurement range is 0~2000 μ m
- ✓ Statistical analysis of data
- ✓ Standardized menu interface

FEATURES:

- ✓ Ruby probe
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- ✓ Car or general mode
- ✓ Resolution is up to 0.1 μ m
- ✓ Accuracy of $\pm(3\%+1\mu\text{m})$
- ✓ Measurement range is 0~2000 μ m
- ✓ Statistical analysis of data
- ✓ Standardized menu interface
- ✓ Display a curve, bar chart or trend chart
- ✓ Record data and transfer to PC
- ✓ Support zero calibration and multi-point calibration
- ✓ Max measurement speed, 2 times/s
- ✓ Auto rotation
- ✓ Backlight adjustable
- ✓ Volume adjustable
- ✓ Auto shut-down
- ✓ Low battery protection

APPLICATION:

- ✓ Measurement for car paint coating
- ✓ Shipbuilding
- ✓ Electroplate
- ✓ Metal anti-rusting
- ✓ Measurement for plastic foils
- ✓ Hardware parts process

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|--------------------------------|---|
| Model | EC-5 |
| Probe Type | Internal probe |
| Measuring Principle | Fe: Magnetic induction; NFe: Eddy currents |
| Measuring Range | 0~2000μm |
| Accuracy | ±(3%+1μm) |
| Resolution | 0.1μm(0~100μm); 1μm(>100μm) |
| Unit | μm, mm, mil, inch |
| Calibration | Zero calibration; Multi-point calibration |
| Statistic | Number of data, maximum, minimum, mean, sample standard deviation, coefficient of variation, number below limit, number above limit |
| Chart | Curve, bar chart or trend chart |
| Storage | 10*13*10 measurement data |
| Probe Trigger Force | 0.4~0.8N |
| Minimum Curvature Radius | Convex 5mm Concave 25mm |
| Minimum Measuring Area | Diameter 15mm |
| Minimum Thickness of Substrate | Fe: 0.30mm NFe: 0.05mm |
| Maximum Measuring Rate | 2 readings/s |
| Display | 2 inch colour 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 | 3 pcs 1.5V AAA alkaline batteries; 3 pcs 1.2V AAA rechargeable batteries |
| Protection Class | IP40 |
| Size | 133*68*30mm |
| Material | ABS |
| Weight | About 90g (No battery) |
| Standards | CE,ROHS,ISO 2178,2360,GB/T 4956-2003,4957-2003,JJG-818-2005 |