



Thickness gauge for coating and clad layer

The electro-magnetic induction principle is used to measure thickness of non magnetic coating and galvanization layer (such as paint) on magnetic conductive metal substrate (such as iron). The principle of eddy current effect is used to measure thickness of non conductive coating (such as paint) on non-magnetic conductive metal substrate (such as aluminum).

Specification

| | |
|--|--|
| Performance | |
| Measurement mode | single and continui |
| Unit | um, mm |
| Range | 0~1300um |
| Resolution | 1um (0~999um); 0.01mm (≧1000um) |
| Accuracy | ±3%+ 2um (0~1300um) |
| Auto power off | 3 min (no key operation) |
| Working condition | |
| Power supply | two 1.5V AAA batteries |
| Operating temperature | 0~45 C (no condensation and no strong magnetic field) |
| Operation humidity | 0~90%RH non-condensing |
| Storage temperature | -10~50°C(14~122 F) |
| Storage humidity | 0~90%RH non-condensing |
| Requirements for substrate | |
| Substrate thickness | >0.5mm |
| Curvature radius of convex surface | >1.5mm |
| Curvature radius of concave surface | >25mm |
| Measurement area diameter: | >6mm |
| Others | |
| Display | LCD display with back light |
| Size | 112mm × 51mm × 28mm |
| Weight | 80g(battery not included) |
| Accessories | |
| One piece of standard aluminum substrate | |
| One piece of standard iron substrate | |
| Standard foil: one piece of 50um, 100um, 250um, 500um,1000um respectively. | |
| Two 1.5V AAA batteries | |
| USB data line | |
| Instruction for use | |



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| Display | LCD display with back light(color screen) |
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