

MINI COATING THICKNESS GAUGE
MODEL NO. BE211



APPLICATION

The F probes measure the thickness of non-magnetic materials (e.g. paint, plastic, porcelain enamel, copper, zinc, aluminum, chrome etc.) on magnetic materials (e.g. iron, nickel etc.) . often used to measure the thickness of galvanizing layer, lacquer layer, porcelain enamel layer, phosphide layer, copper tile, aluminum tile, some alloy tile, paper etc. The N probes measure the thickness of non-conductive coatings on non-magnetic metals. It is used on anodizing, varnish, paint, enamel, plastic coatings, powder, etc. applied to aluminum, brass, non-magnetic stainless steel, etc. Suitable for the laboratory, Powder Coating Companies, Manufacturing Companies, Paint Suppliers, Manufacturing Companies, Steel and Aluminum Refinishing, Automobile Dealers, Auto Auctions, Body Shops, Auto Detailers and any company needing a highly accurate measurement of the dry coating thickness and can be used even in harsh field conditions..

KEY FEATURES

- ✓ LCD backlight function
- ✓ LCD display
- ✓ Measuring the non-magnetic film on the magnetic metal substrate.
- ✓ Thickness measurement of non-magnetic surface coating on magnetic metal substrate.
- ✓ Auto. identifying the non-magnetic metal substrate or magnetic metal substrate.
- ✓ Single, continuous and differential measurement available.
- ✓ Zero-point calibration, 2-point calibration and basic calibration available.
- ✓ Metric and imperial units of measurement optional.
- ✓ Automatic shutdown.



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SPECIFICATIONS

- * Measuring ranges: 0~1500 μ m/0~59mil/0~1.5mm
- * Resolution: 0.1 μ m(<100 μ m), 1 μ m(\geq 100 μ m)/0.1mil/0.001mm
- * Measuring error: \pm 5 μ m(\leq 150 μ m); \pm (3% H +1 μ m>(>150 μ m))
- * Minimum diameter of magnetic substrate: 12mm
- * Minimum thickness of magnetic substrate: 0.5mm
- * Minimum curvature radius of convex magnetic substrate: 2mm
- * Minimum curvature radius of concave magnetic substrate: 11mm
- * Minimum radius of non-magnetic substrate: 50mm
- * Minimum substrate of non-magnetic substrate: 0.5mm
- * Power supply: 1.5V AAA battery x 2pcs
- * Operating temperature and humidity ranges: 0~40 $^{\circ}$ C, 10~95%RH
- * Overall dimensions: 62x31x108mm
- * Weight: 64g(excluding of batteries)
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- * Automatic shutdown.

ACCESSORIES

- * Aluminum Substrate Block x 1pc
- * Iron Substrate Block x 1pc
- * Calibrations foils x 6pcs
- * User's manual x 1pc
- * 1.5V AAA battery x 2pcs
- * Carrying case + gift box packing

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