

COATING THICKNESS GAUGE MODEL NO. BE930/BE931

**BE930****BE931**

APPLICATION

The F probe (Magnetic Induction) measure the thickness of non-magnetic coating layers on magnetic metal substrate and mostly used to measure the thickness of galvanizing layer, lacquer layer, porcelain enamel layer, phosphide layer, copper tile, aluminum tile, some alloy tile, paper and many other materials such as*aluminum, chrome, copper, enamel, rubber, lacquer, dye, powder, varnish & paint on magnetic substrate like steel, iron, nickel, alloy and magnetic stainless steel. Use it anywhere -- 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

- ✓ Separate Type, measurements can be more flexibility(For BE931),Built-in F probe(for BE930)
- ✓ Has CE marking, conforms with the essential health and safety requirements set out by the European Directives
- ✓ Suitable for the laboratory and for use in harsh field conditions
- ✓ Widely used to 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 plating layer, lacquer layer, porcelain enamel layer, phosphide layer, copper tile, aluminum tile, some alloy tile, paper, etc.
- ✓ Used the exclusive Micro-computer LSI circuit and crystal time base to offer high accuracy measurement and fast measuring time
- ✓ Performs Automatic Calibration when no substrate or metal substrates are near the sensor probe
- ✓ Allows re-calibration using the included iron substrate block or an uncoated standard
- ✓ With wide measuring range of 1800µm and high resolution
- ✓ Digital display gives exact reading with no guessing or errors Durable, long-lasting components with strong but light weight ABS-plastic housing assures maintenance free performance for many years. The housing had been carefully shaped to fit comfortably in either hand.

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SPECIFICATIONS

Operating Principle	Magnetic Induction(F)
Measuring Range	0~1800 μ m
Resolution	0.1 μ m(<100 μ m) / 1 μ m(>100 μ m)
Min. Radius Workpiece	F Type: convex 2 mm / concave 11 mm
Min. sample diameter	12 mm
Min. Sample Thickness	0.5 mm
Accuracy	\pm (3%H+1 μ m)
Auto Power Off	yes
LCD Backlight display	yes
Hi-sensibility sensor	yes
Zero point/two point/basic calibration	yes
Measuring mode	Single, continually and difference
Data store/recall/delete function	yes
Deviation and measuring times	yes
Beep sound indication	yes
Data analysis	Average, maximum, minimum, standard
Battery Indicator	Low Battery Indicator
Operating Conditions	Temp. 0~50 $^{\circ}$ C, Humidity: 10~90 %RH
Power Supply	1x9V Battery(BE930);3x1.5V AAA battery(BE931)
Dimensions	67* 30*175 mm(BE930),80*38*150mm(BE931)

ACCESSORIES

- * F probe x 1pc(for BE931)
- * Iron Substrate Block x 1pc
- * Calibration Foil x 6pcs
- * Carrying case and box x 1pc
- * Instruction manual x 1pc
- * 1.5V AAA battery x 3pcs(for BE931)
- * 9V battery x 1pc(for BE930)



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