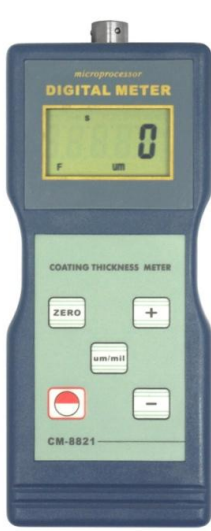


Coating Thickness Gauge
MODEL NO. CM-8821/CM-8823



CM-8821



CM-8823



APPLICATION

Coating thickness gauge is a kind of portable measuring instrument, can take fast, intact, precise measurement of coating thickness. It can not only be used in engineering field, laboratories, but also meet the demand of multiple measuring by using different probes. It is used widely in manufacturing, metal processing industry, chemical industry, commodity inspection field, etc. As an essential instrument in material protection industry.

KEY FEATURES

- Measuring methods: magnetic induction (F)(Only for CM-8821);eddy current (N)(Only for CM-8823)
- Two measurement mode: Single and Continuous (Notice : Continuous mode is convenient to measure the coating thickness of curved objects and tiny objects.)
- Metric/imperial system selectable.
- Manual or automatic shut down.
- Automatic memory of calibration value and automatic recognize the substrate.
- Operation process has buzzing reminder, while no buzzing in continuous mode.
- Separate Type, measurements can be more flexibility.

Principles

Principles	Applications	Examples
F Type Magnetic Induction (Iron Base)	Measure the thickness of non-magnetic materials on magnetic materials	Galvanizing layer, lacquer layer, porcelain enamel layer, phosphide layer, copper tile, aluminium tile, some alloy tile, paper etc
NF Type Eddy Current (Aluminium Base)	Measure the thickness of non-conductive coatings on non-magnetic metals	Anodizing, varnish, paint, enamel, plastic coatings, powder, etc. Applied to aluminum, brass, non-magnetic stainless steel, etc

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SPECIFICATIONS

- * Operating Principle: Magnetic Induction(F) **Only for CM-8821** / Eddy Current (NF)**Only for CM-8823**
- * Measuring Range: 0~1000 μ m / 0~40 mil
- * Resolution:0.1 μ m / 1 m
- * Min. Radius Workpiece: F Type: convex 1.5 mm / concave 25 mm(**for CM-8821**); NF Type: convex 3 mm / concave 50 mm(**For CM-8823**)
- * Min. Measuring Area:6 mm
- * Min. Sample Thickness:0.3 mm
- * Accuracy: \pm 1~3% ρ n or \pm 2.5 μ m
- * Auto Power Off
- * Metric / Imperial: Convertible
- * Battery Indicator: Low Battery Indicator
- * Operating Conditions: Temp. 0~50 °C, Humidity: <80 %RH
- * Power Supply: 4 x 1.5 V AAA (UM-4) Battery(no included)
- * Dimensions:161 x 69x 32 mm
- * Weight:210 g (Not Including Batteries)

ACCESSORIES

Standard Accessories:

- * Main Unit x 1pc
- * Probe(F type) x 1pc(for CM-8821)
- * Probe(NF type)x 1pc(for CM-8823)
- * Calibration Base Set (F Type) x 1pc(for CM-8821)
- * Calibration Base Set(NF Type) x 1 pc(for CM-8823)
- * Calibration Foils (1 set, 4 pieces)
- * Carrying Case x 1pc
- * Operation Manual x 1pc

BESTONE INDUSTRIAL LTD.

Tel: +86 755 82952326, Fax: +86 755 82952326

Web: www.bestone-meter.com

Email:liu@bestone-meter.com

Skype: Bestone-Shirley Liu

WhatsApp: +86 18929394326