

**Anticorrosion Coating Thickness Gauge**  
**MODEL NO. CM-8829H**



**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**

- Two principles: Magnetic Induction and Eddy Current.
- Two measurement mode: Single and Continuous.
- The CM-8829H is a large range meter, range 0~12mm.
- Metric/imperial system selectable.
- Manual or automatic power off.
- Automatic memory of calibration value and automatic recognize the substrate.
- Operation process has buzzing reminder.
- Integral Type has better stability and repeatability.
- Separate Type can provide several types of probes, measure can be more flexibility.
- Use RS-232 data output to connect with PC.
- Provide Bluetooth data output choice.

**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)
- \* Measuring Range: 0~12mm/0-480mil
- \* Resolution: 0.01mm / 0.1mm
- \* Min. Radius Work piece: F Type: convex 20mm / concave 50mm
- \* Min. Measuring Area: 16mm
- \* Min. Sample Thickness: 0.3 mm
- \* Accuracy:  $\pm 1\sim 3\%n$  or  $\pm 0.2\text{mm}$
- \* 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: 126 x 65x 27 mm
- \* Weight: 210 g (Not Including Batteries)

**ACCESSORIES**

Standard Accessories:

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

Optional accessories:

- \* RS-232C data cable with software x 1 set
- \* Bluetooth data Adapter with software x 1 set

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