

Coating Thickness Gauge Built-in F&NF
MODEL NO. CM-8855FN



KEY FEATURES

- Can store the new data in 99 groups.
- Two measuring methods: magnetic induction (F) and eddy current (N)
- Two measurement gauge 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.
- Use RS-232C data output to connect with PC.
- Provide Bluetooth data output choice.
- Integral Type suitable for single-hand operation, large probe with large contact surface have better stability, and users can get continuous, good repetitive and precise measurements.
- Built-in F type and NF type sensor

APPLICATION

Coating thickness gauge is a kind of portable testing instrument, can take fast, intact, precise measurement of coating thickness. It can be used in both engineering field, and laboratories, as an essential instrument in material protection industry.

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 / Eddy Current (F / NF)
- * Measuring Range: 0~1250 μm / 0~50 mil
- * Resolution: 0.1 μm / 1 m
- * Min. Radius Workpiece: F Type: convex 1.5 mm / concave 25 mm; NF Type: convex 3 mm / concave 50 mm
- * Min. Measuring Area: 6 mm
- * Min. Sample Thickness: 0.3 mm
- * Accuracy: $\pm 1\sim 3\%n$ or $\pm 2.5 \mu\text{m}$
- * Auto Power Off
- * Data memory: 99 Groups
- * Metric / Imperial: Convertible
- * Battery Indicator: Low Battery Indicator
- * Operating Conditions: Temp. 0~40 °C, Humidity: 10~90 %RH
- * Power Supply: 2 x 1.5 V AAA (UM-4) Battery (no included)
- * Dimensions: 126 x 65 x 35 mm
- * Weight: 81 g (Not Including Batteries)

ACCESSORIES

Standard Accessories:

- * Main Unit x 1pc
- * Probe (F & NF type) Built-in
- * Calibration Base Set (F Type / NF Type) x 1 set
- * 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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