

Product name : Standard Type Coating Thickness Gauge Built-in F&NF CM-8825FN

Mode : CM-8825FN

Applications

The F probes measure the thickness of non-magnetic materials (e.g. paint, plastic, porcelain enamel, copper, zinc, aluminium, 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, aluminium 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.



#### Key Features

- \* Two measuring methods: magnetic induction (F) and eddy current (N)
- \* 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 have buzzing reminder, while no buzzing in continuous mode.
- \* Use "USB data output" and "RS-232 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, users can get continuous, good repetitive and precise measurements.

#### Specifications

- \* Operating Principle: Magnetic Induction / Eddy Current (F / NF)
- \* Measuring Range: 0~1250  $\mu\text{m}$  / 0~50 mil
- \* Resolution: 0.1  $\mu\text{m}$  / 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:  $\pm 1\sim 3\%$  or  $\pm 2.5 \mu\text{m}$
- \* Auto Power Off
- \* Metric / Imperial: Convertible
- \* Battery Indicator: Low Battery Indicator
- \* Operating Conditions: Temp. 0~40 °C, Humidity: 10~90 %RH
- \* Power Supply: 4 x 1.5 V AAA (UM-4) Battery (no included)

- \* Dimensions:126 x 65 x 27 mm
- \* Weight:81 g (Not Including Batteries)

#### Accessories

##### **Standard Accessories:**

- \* Main Unit x 1pc
- \* Calibration Base Set (F Type / NF Type) CTG-BS x 1 set
- \* Calibration Foils CTG-CF (1 set, 4 pieces)
- \* Carrying Case x 1pc
- \* Operation Manual x 1pc

##### **Optional accessories:**

- \* USB or RS-232C data cable with software x 1 set
- \* Bluetooth data out put with software x 1 set