

## Coating Thickness Gauge (Statistical Type)



Model: CM-8855 CM-8856

### Applications & Features

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.

- \* Can store the new data in 99 groups.
- \* Metric/imperial system selectable.
- \* Manual or automatic power off.
- \* Auto memory of calibration value, auto substrate recognition.
- \* Use RS-232 data output to connect with PC.
- \* Provide Bluetooth data output choice.

### Specifications

| Model                 | CM-8855   | CM-8856 |
|-----------------------|---|---------|
| Principle             | F Magnetic Induction & NF Type Eddy Current                                   |         |
| Range                 | 0~1250 $\mu$ m / 0~50mil  |         |
| Resolution            | 0.1 $\mu$ m / 1 $\mu$ m   |         |
| Accuracy              | $\pm 1\sim 3\%$ n or $\pm 2.5\mu$ m   |         |
| Min. Radius Workpiece | F Type: convex 1.5 mm / concave 25 mm<br>NF Type: convex 3 mm / concave 50 mm |         |
| Min. Measuring Area   | 6 mm  |         |
| Min. Sample Thickness | 0.3 mm  |         |
| Metric / Imperial     | ✓   |         |
| Battery Indicator     | ✓   |         |
| Automatic Power Off   | ✓   |         |
| Data Memory           | 99 Groups   |         |
| Operating Conditions  | Temperature: 0~40°C<br>Humidity: 10~90%RH                                     |         |
| Power Supply          | 2x1.5V AAA (UM-4) Battery   |         |
| Dimensions            | 126x65x35mm   |         |
| Weight                | 81g (Not Including Batteries)   |         |

### Principles

| Principles                                     | Applications  | Examples   |
|--|---|--|
| F Type<br>Magnetic<br>Induction<br>(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<br>Eddy Current<br>(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    |

| Standard Accessories  | CM-8855  | CM-8856 |
|-----------------------|--|---------|
| Main Unit             | ✓  | ✓       |
| Probe (F&NF Type)     | Built-in   | ✓       |
| Calibration Base (F)  | ✓  | ✓       |
| Calibration Base (NF) | ✓  | ✓       |
| Calibration Foils     | 1 set, 5 pieces  |         |
| Carrying Case         | B04  |         |
| Operation Manual      | ✓  |         |
| Optional Accessories  | RS-232C Data Cable with Software<br>Bluetooth Data Adapter with Software |         |