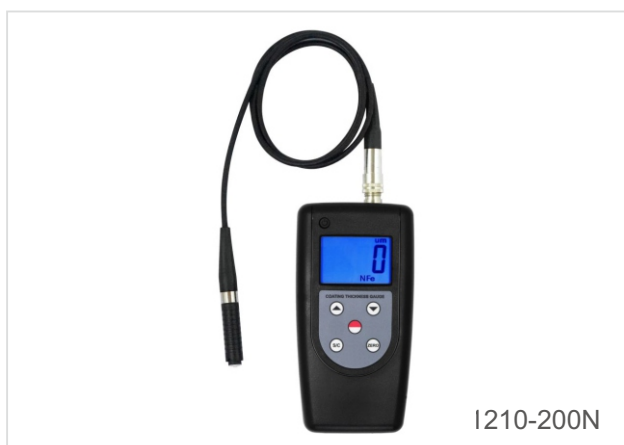
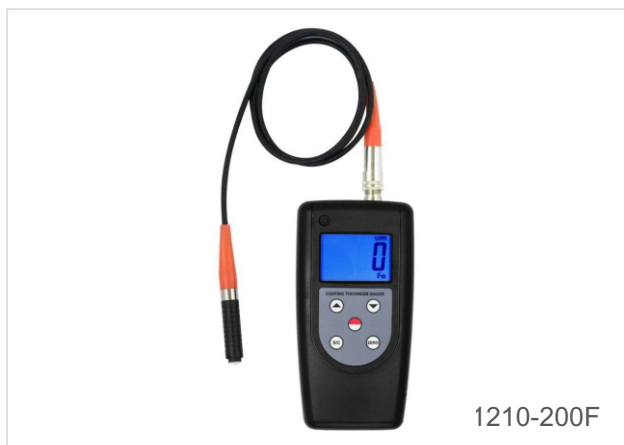


Coating Thickness Gauge



Model: CM-1210-200F CM-1210-200N

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.

- * The Model CM-1210-200 is Specially for the thickness measurement of coating on small workpiece.
- * Metric/imperial system. 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-1210-200F | CM-1210-200N |
|-----------------------|---|----------------------|
| Principle | F Magnetic Induction | NF Type Eddy Current |
| Range | 0~200 μ m / 0~8mil | |
| Resolution | 0.1 μ m / 1 μ m | |
| Accuracy | $\pm 1\sim 3\%$ n or $\pm 2.5\mu$ m or 0.1mil | |
| Min. Radius Workpiece | Convex 2 mm / Concave 4 mm | |
| Min. Sample Thickness | 0.1 mm | |
| Metric / Imperial | ✓ | |
| Functions | Battery Indicator & Automatic Power Off | |
| Operating Conditions | Temperature: 0~40°C | |
| | Humidity: 10~90%RH | |
| Power Supply | 4x1.5V AAA (UM-4) Battery | |
| Dimensions | 140x72x34mm | |
| Weight | 215g (Not Including Batteries) | |

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 |

| Standard Accessories | CM-1210-200F | CM-1210-200N |
|-----------------------|--------------------------------------|--------------|
| Main Unit | ✓ | ✓ |
| Probe (F Type) | ✓ | — |
| Probe (NF Type) | — | ✓ |
| Calibration Base (F) | ✓ | — |
| Calibration Base (NF) | — | ✓ |
| Calibration Foils | 1 set, 2 pieces | |
| Carrying Case | B04 | |
| Operation Manual | ✓ | |
| Optional Accessories | RS-232C Data Cable with Software | |
| | Bluetooth Data Adapter with Software | |
| | — | |