Coating Thickness Gauge

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1210-200F

1210-200N

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

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	0~200μm / 0~8mil	
Resolution	0.1μm / 1μm	
Accuracy	±1~3%n or ±2.5μm 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)	

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	
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