Coating Thickness Gauge (Functional Type)

A built-in sensor
The F/NF sensor
Selectable

CM-8825

CM-8826

For auto coating
A built-in sensor
The F/NF sensor

CM-8828

Model: CM-8825 CM-8826 CM-8828

Applications

Coating thickness gauge is a kind of portable measuring instrument, can take fast, intact, precise measurement of coating thickness. It can not only be used in engineering field, laboratories, but also meet the demand of multiple measuring by using different probes. It is used widely in manufacturing, metal processing industry, chemical industry, commodity inspection field, etc. 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

Features

* Two principles: Magnetic Induction and Eddy Current.
* Two measurement mode: Single and Continuous.
* Metric/imperial system selectable.
* Manual or automatic power off.
* Automatic memory of calibration value, and automatic recognize the substrate.
* Operation process have buzzing reminder.
* Integral Type have better stability and repeatability.
* Separate Type can provide several types of probes, measure can be more flexibility.
* Use RS-232 data output to connect with PC.
* Provide Bluetooth data output choice.

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Specifications

Model	Integral	CM-8825FN	CM-8825N	CM-8825F	CM-8828
	Separate	CM-8826FN	CM-8826N	CM-8826F	——
Principle	F Magnetic Induction	√	——	√	√
	NF Type Eddy Current	√	√	——	√
Range		0~1250μm / 0~50mil			
Resolution		0.1μm / 1μm			
Accuracy		±1~3%n or ±2.5μm			
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			
Metric / Imperial		Convertible			
Battery Indicator		Low Battery Indicator			
Automatic Power Off		√			
Operating Conditions	Temperature	0~50°C			
	Humidity	< 80%RH			
Power Supply		4x1.5V AAA (UM-4) Battery			
Dimensions		126x65x27mm			
Weight		81g (Not Including Batteries)			

Standard Accessories	Main Unit	√	√	√	√
	Probe (F Type)	√	——	√	√
	Probe (NF Type)	√	√	——	√
	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
	Bluetooth Data Adapter with Software

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