



CM10 Series

Coating Thickness Gauge

CM10 Series—Technical Specifications

Measuring Principle

Magnetic Method (Fe): Measuring the thickness of non- magnetic coatings on steel, iron and other ferromagnetic metal substrates, e.g. painting, varieties of anti-corrosion coating, powder spraying, plastic, rubber, synthetic material, phosphate coating, chromium, zinc, aluminum, tin and cadmium, etc.

Eddy Current Method (N-Fe): Measuring the thickness of non-conductive coatings on copper, aluminum, stainless steel and other non-ferromagnetic substrates, e.g. painting, varieties of anti-corrosion coating, powder spraying, plastic, rubber, synthetic material, oxide film and phosphate film, etc.

Technical Parameter

Model		CM10F	CM10FH	CM10N	CM10FN
Measuring Principle		Magnetic Method	Magnetic Method	Eddy Current Method	Magnetic and eddy current integration
Measuring Range(μm)		0-3000	0-10000	0-2000	0-1500
Low Range Sensitivity(μm)		0.1	0.1	0.1	0.1
Tolerance(μm)		±(2%H+2)	±(2%H+10)	±(2%H+2)	±(2%H+2)
Testing Condition (mm)	Min. Curvature Radius	5	10	5	5
	Min. Area Diameter	Φ20	Φ40	Φ20	Φ20
	Min. Substrate Thickness	0.5	2	0.5	0.5
Display		High Contrast Segment Liquid Crystal Display (LED Backlight)			
Statistics		N, MAX, MIN, MEAN and STD.DEV			
Calibration		One-Point Calibration and Two-Point Calibration			
Working Temperature		-10℃ to +50℃, -20℃ in special requirement			
Auto Power-off		Auto off after 3 minutes of inactivity			
Power		Two 1.5V AA batteries, low-voltage indication function			
Weight		200g including batteries			
Size		149mm*73mm*32mm (H*W*D)			

Standard Configurations

CM10 Coating Thickness Gauge	Probe (integrated with instrument)
Zero Plate	Calibration Foils
Carrying Case	Operating Manual
Certification of Quality, Packaging List	USB Communication Cable
Communication CD	

Optional Configurations

Calibration Foils	Fe Zero Plate
Al Zero Plate	