Support variety of materials

The thickness gauge is used to measure the thickness of the plated and coated sheet on metal, e.g. paint/enamel/ chrome on steel, paint and anodizing coating on aluminum/copper.

Fe/NFe Dual use

Instant induction, stable measurement, small error

Fe Magnetic material such as steel/iron

NFe Non-magnetic materials such as copper/aluminum

Resolution	Accuracy
0.1um/0.01mil	±(2.5%+1um)

Non-slip body design

Non-slip shell design for easy carry and reading.

Steel/Iron
2. NF--Non-magnetic substrate indicator: Copper/Aluminum
3. Auto power off flag, auto power-off in 5 minutes with no-operation
4. Battery level indicator
5. Measured Reading Display
6. SNG: Single Measurement Mode
7. CON: Continuous Measurement Mode
8. Unit: um, mil

Technical specifications

	Probe F	Probe N
Principle	Magnetic Induction	Eddy Current
Range	0~1300um 0~51.2mil	0~1300um 0~51.2mil
Accuracy	±(2.5%+1um) ±(2.5%+0.04mil)	±(2.5%+1um) ±(2.5%+0.04mil)
Resolution	0.1um/0.01mil	0.1um/0.01mil
Calibration	Points: ZERO/50/100/250/500/1000um	
Units	um, mil	
minimum curvature radius convex: 1.5mm		
minimum curvature radius concave: 25mm		
minimum measuring area: Diameter 6mm		
minimum thickness of substrate	0.5mm(0.02″)	0.3mm(0.012″)
Power	4 x AAA batteries	
Operation Environment	Temperature:0~40 ℃ (32~104 ℉) Humidity:20%~90%RH	
Size	155mm x 62mm x 35mm (6.10″ x 2.44″ x 1.38″)	
Weight	125g(4.41oz)	

High Precision and automation test

The gauge takes the precision integrated probe, and uses principles of electro-magnetic induction and the eddy current effect, which automatically detects the attribute of substrates.

Non-destructively measure

The Gauge is designed for non-destructively measuring the thickness of coating and painting. It is essential for material surface treatment and widely used in manufacturing industry, metal-processing industry, chemical industry, commodity inspection area, and also able to work steadily in the laboratory, workshop and outdoor.

Two test modes

Press "MODE" key to display SNG/CON

“SNG”:
the Single Mode (Default)

“CON”:
the Continuous Measurement Mode

Scope of application

What Included

Coating Thickness, Manual, Iron substrate, Aluminum substrate, Thickness standard.

Features

- FSTN LCD Display
- Built-in Black Light
- Integral Probe F&NF, Auto detecting attribute of substrates
- Nice shell design for easy reading
- Built-in Silicone Slip Strip
- Measurement Range: 0~1300um
- Accuracy: ±(2.5%+1um)
- Resolution: 0.1um
- Zero Calibration and 50/100/250/500/1000um Calibration Points
- 5 minutes auto power off to saving power
- Power Supply: 4 x AAA batteries (Packing not include)
- Operating Temperature: 0 to 40℃ (32 to 104℉)
- Size: 155mm x 62mm x 35mm
- Weight: 180g