

GENERAL INFORMATION

- This coating thickness gauge works both on magnetic as well as non-magnetic surfaces.
- Uses induction principle or on the eddy current principle, depending on the type of probe used.
- You can select the type of probe manually via MENU system, else it works automatically.
- Confirms to industrial standards: GB/T 4956-1985; GB/T 4957-1985; JB/T 8393-1996; JJG 889-95; JJG 818-93.

FEATURES

- Measures Coatings: Non-magnetic (e.g. paint, zinc) on steel; Insulated (e.g. paint, anodizing coatings) on non-ferrous metals
- 2.4" TFT colour LCD display
- Temperature, Humidity and Dew Point temperature measurements
- Auto-rotation Screen: 0°, 90°, 180°, 270°
- Stability test
- Continuous test
- Set auto power-off time
- SSPC mode
- Warning with beeper and backlight flash, 3-Colour LED indication
- Menu operation system
- Working modes: DIRECT, GROUP and SSPC
- AVG, MAX, MIN, Stand and Deviation (S.DEV) display
- Basic, one-point and SSPC mode calibration
- Low battery, error indications
- USB interface for PC analysis software
- 10 levels of adjustable LCD backlight brightness
- Language selection: English, German, Italian, French, Chinese and Japanese



Application

- Designed for non-destructive, fast and precise coating thickness measurement, the principal applications lie in the field of corrosion protection and prevention.
- Ideal for manufacturers and their customers, for offices and specialist advisers, for paint shops and electroplaters, for the chemical, automobile, shipbuilding and aircraft industries, and for light and heavy engineering.
- Suitable for laboratory, workshop and outdoor use.
- Works on both principles, magnetic induction and eddy current.
- Single probe required for coating measurements, for both ferrous and non-ferrous metal substrates.
- Adaptable to specific tasks: i.e. can be used on special geometries or on materials with special properties.

Accessories

Gauge/Meter with two AA 1.5V batteries, plastic carrying case, operating manual, steel and aluminum substrates, USB connecting cable, connect software.

Probe

- The probe system is spring-mounted in the probe sleeve, ensuring safe and stable positioning of the probe and constant contact pressure.
- A v-groove in the sleeve of the probe facilitates reliable readings on small cylindrical parts too.
- The hemispherical tip of the probe is made of hard and durable material. Hold the probe by the spring-mounted sleeve and press on object to be measured.



SPECIFICATIONS

Sensor Probe	F	N
Working Principle	Magnetic Induction	Eddy Current Principle
Measuring Range	0 ~ 2000µm	0 ~ 2000µm
Guaranteed to Larence (of reading)	(±2%±2)µm	(±2%±2)µm
Repeatability	(±1%±1)µm	(±1%±1)µm
Low Range Precision	0.1µm	0.1µm
Minimum Curvature Radius	1.5mm	3mm
Diameter of Minimum Area	7mm	5mm
Basic Critical Thickness	0.5mm	0.3mm
Temperature Range	0 to 50°C / 32 to 122°F	
Temperature Accuracy	±1.2°C	
Humidity Range	0 to 100%RH	
Humidity Accuracy	+3.2%RH at 20%-70%; +4%RH other	
Size (HxWxD)	35 x 64 x 137mm	
Weight	175g	