

Digital Coating Thickness Gauge SMART456F/N

Photo



What's in the Box?	SMART456F/N Gauge (Ready to Use), 2 x Calibration Checkpieces (Aluminium and Steel) & 5 x Thickness Check Foils
Typical Users include	Vehicle Appraisers & Buyers, Panel Beaters / Motor Body Repairers, Painting Contractors, Galvanizers, Anodisers, Powder Coaters, Metal Fabricators, Chromers, Motor Vehicle Manufacturers, Vehicle Detailers, Zinc Platers etc
Ferrous Metal Mode (Fe) (Typical Applications)	Technology - Magnetic Induction - (enables measurement of non magnetic coatings on magnetic substrates such as Steel, Mild Steel, Cast Iron & Magnetic Stainless Steel). Example coatings:- Paint, Zinc / Galvanising, Chrome, Copper, Enamel, Rubber, Paint, Varnish, Powder Coating, Plastic etc.
Non Ferrous Metal Mode (NFe) (Typical Applications)	Technology - Eddy Current - (enables measurement of non-conductive coatings on non-ferrous substrates such as Aluminium, Copper, Brass, Zinc, Tin, and Non-Magnetic Stainless Steel). Example coatings:- Paint, Enamel, Rubber, Paint, Varnish, Powder Coating, Anodizing, Plastic etc.
Measuring Range	0-1250µm (0-1.25mm) or 0-50mil
Resolution	0.1µm (0-99.9 µm) and 1µm (over 100 µm)
Accuracy	±1-3% (±2.5µm or 0.1mil - whichever the greater)
Power Supply	2 x 1.5V AA Batteries
Minimum Measurement Area	5mm
Minimum Sample Thickness	0.3mm
Operating Conditions	Temp: 0 - 50°C and Humidity: < 80%
Weight	99g (including batteries)
Dimensions	102 x 66 x 24mm
Meets Standards Including	ISO-2178, ISO-2360, DIN, ASTM & BS (suitable for laboratory and harsh field conditions)
Units of Measurement (Microns & Mills)	Metric Measurement:- Micrometre (µm) – also known as Micron 1 µm = 1/1000mm Imperial Measurement:- Mil – also known as Thou 1 Mil = 1/1000 Inch Conversion:- 1 Mil / Thou = 25.4 Microns / Micrometre (µm)
Additional Functionality	Gauge auto adjusts between Ferrous (Steel) and Non-Ferrous (Aluminium etc) Modes, Low Battery Indicator, Metric (Microns µm) or Imperial (Mils) measurement settings, Auto Power Off, Easy Reset to Factory Settings.