

# Gauge Specification

Model

MK04



**What's in the Box?**

MK04 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**

0-1500µm (0-1.5mm) or 0-60mil

**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 AAA Batteries

**Minimum Measurement Area**

5mm

**Minimum Sample Thickness**

0.4mm

**Operating Conditions**

Temp: 0 - 40°C and Humidity: 10- 85%

**Weight**

90.9g ( including batteries)

**Dimensions**

118 x 56 x 30mm

**Meets Standards Including**

ISO-2178, ISO-2360, DIN, ASTM & BS  
(suitable for laboratory and harsh field conditions)

**Units of Measurement**  
(Microns & Mils)

**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), LCD Backlight, Data Group measurement settings, Auto Power Off, Easy Reset to Factory Settings.