

Elcometer 101 Coating Thickness Gauge



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The Elcometer 101 was the world's first portable coating thickness gauge which was first produced in 1947 and still has some advantages over other gauges.

- Insensitive to hot and cold surfaces – ideal for hot sprayed metal coatings
- Incorporates reading hold feature
- Accuracy of better than $\pm 10\%$
- Ideal for hazardous areas

Coating Thickness Gauges – Mechanical

Mechanical Coating Thickness Gauges are an ideal choice when coating thicknesses need to be measured where batteries cannot be used or are difficult to obtain. For example in remote locations, underwater, where dangerous gasses are present, you are looking for a basic coating thickness gauge to measure coatings on Ferrous Substrates (e.g. steel).

These gauges all use the original method of measurement – the amount of force needed to remove a magnet from a Ferrous Substrate and are basic coating thickness gauges to measure coatings on steel.

At a glance

- Available in 4 scale ranges.

Minimum Substrate Thickness	1.5mm (60mils)	Operating Plane	90° to substrate
Minimum diameter for measurement on bar material	25mm (1")	Minimum Measurement Area	38 x 15mm (1.5 x 0.6")
Accuracy	Better than ± 10 of the reading or $\pm 2.5\mu\text{m}$ (0.1mils) whichever is the greater		

Model	Description	Range		Part Number
		μm	Mils	
Elcometer 101/02A	Elcometer 101 Mechanical Coating Thickness Gauge	0 - 50	0 - 2	A101A-02A
Elcometer 101/05A	Elcometer 101 Mechanical Coating Thickness Gauge	0 - 250	0 - 10	A101A-05A
Elcometer 101/01A	Elcometer 101 Mechanical Coating Thickness Gauge	0 - 600	0 - 25	A101A-01A
Elcometer 101/15A	Elcometer 101 Mechanical Coating Thickness Gauge	0 - 9000	0 - 354	A101A-15A

Related products



Elcometer 157

This simple pull-off gauge is a top pocket, lightweight, foreman's-type gauge for spot check indications of coating thickness. Insensitive to hot and cold coatings or surfaces - ideal for hot sprayed metal coatings for immediate results - also known as a pencil gauge.



Elcometer 211

The Elcometer 211, commonly referred to as the "Banana Gauge," has proven to be a successful coating thickness gauge where the use of electronic instruments is difficult, e.g. inflammable atmospheres in oil and gas production. The gauge can even be used underwater!



Elcometer 101/45

Whereas comparators allow the estimation of surface roughness by both touch and sight, the Elcometer 101 estimates the roughness of iron and steel surfaces. Its scale indicates the suitability of the surface for paints, metal coatings and hard metal coatings.

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