

Elcometer 211 Coating Thickness Gauge



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At a glance

- Ideal for use in areas where electronic gauges cannot be used.
- Available in 4 different scale ranges.

Elcometer 211 Coating Thickness Gauge

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 "v" grooved base, rubber feet and clear scale with its ranges for thicker coatings, make this instrument one of the most popular mechanical gauges in the world.

- Factory calibrated – with user calibration adjustment
- Foils supplied to check calibration on site
- Ideal for very cold surfaces
- Small, portable, with an accuracy $\pm 5\%$

The Elcometer 211 can also be supplied with a special 3 piece coated standard (traceable to NIST and UKAS) at a special price – contact Elcometer for further information.

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.

Can be used in accordance with:	
ASTM D 1186-A	ASTM G 12
ASTM B 499	ASTM A 153
BS 5411-11	BS 3900-C5-6Ab
DIN 50981	ISO 2178
ISO 2808-6Ab	SSPC-PA2

Accuracy	$\pm 5\%$ of the reading or $\pm 2.5\mu\text{m}$ / 0.1mils (whichever is the greater)
Minimum Substrate Thickness	0.4mm (16mils)
Minimum Area of Measurement	30mm (1.18") Diameter
Minimum Diameter for Measurement on Bar Material	20mm (0.8")
Edge Effects	Must be at least 6mm (0.24") from edge
Instrument Dimensions	200 x 60 x 30mm (7.8 x 2.4 x 1.2")
Certification Available	Certificate of Conformance and Calibration Certificate

Model	Description	Range		Part Number
		Metric	Imperial	
Elcometer 211/1M	Elcometer 211 Coating Thickness Gauge – Metric Scale 1M	0 - 1000µm	-	A211F--1M
Elcometer 211/1E	Elcometer 211 Coating Thickness Gauge – Imperial Scale 1E	0 - 1000µm	0 – 40 mils	A211F--1E
Elcometer 211/8M	Elcometer 211 Coating Thickness Gauge – Metric Scale 8M	0.65 – 6 mm	-	A211F--8M
Elcometer 211/8E	Elcometer 211 Coating Thickness Gauge – Imperial Scale 8E	-	25 –250 mils	A211F--8E

The Elcometer 211 can also be supplied with a 3 piece coated standard at a special price – contact your Elcometer representative for further information.

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 101

The Elcometer 101 was the world's first portable coating thickness gauge, first produced in 1947 and still has some advantages over other gauges - including the key advantage of it's insensitivity to hot and cold surfaces – ideal for hot sprayed metal coatings.



Elcometer Coating Thickness Standards and Calibration Foils

Formal quality systems such as those described in ISO 9000 and Guide 25 require that gauges be properly controlled, logged and in calibration. Increasingly, users are specifying that the readings taken by gauges are traceable to National Standards. There are three types of coating thickness standards available from Elcometer: coated standards, foils and zero test plates.

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