



Integral Probe



Separate Probe

Elcometer 345 Coating Thickness Gauge

The Elcometer 345 Digital Coating Thickness Gauge's small and rugged design, combined with the clear and easy digital display makes this gauge the ideal choice for use in numerous environments.

The Elcometer 345 is a versatile, simple and easy to use gauge with a wide range of probes suitable for many applications available in standard, right angle and telescopic versions for both Electromagnetic Induction and Eddy Current measurements of coating thickness.

Electromagnetic induction is suitable for ferrous metal substrates and can be used for any non-magnetic coating on a magnetic base such as steel, cast iron or ferritic and duplex stainless steel.

Eddy Current probes can measure non-conductive coatings on non-ferrous metals ie. aluminium, copper, brass austenitic (non-magnetic) stainless steel and other similar materials.

FEATURES

- Keyboard lock features to avoid accidental re-calibration
- 2 point calibration gives increased precision
- Automatic switch on¹ and off
- Special hard wearing probe tip
- Unique and robust case design to withstand rough handling
- Water, acid, solvent, dust & oil resistant
- Measures on flat, curved and round surfaces
- Switchable between microns or mm & mils
- Simple statistics; mean, standard deviation, number of readings, highest & lowest reading
- 1% accuracy (1-3% over full range, 1% when calibrated close to the reading to be measured)
- Infrared data output

PROBE SPECIFICATIONS

Scale	Range		Resolution		Accuracy		
	Metric	Imperial	Metric	Imperial	%	Metric	Imperial
F1	0 – 1500µm	0 – 60mils	0.1µm up to 20µm 1µm 20 – 1500µm	0.01mil up to 1.0mil 0.1mil 1-60mils	±1-3%	±2.5µm	±0.1 mil
F2	0 – 5mm	0 – 200mils	0.01mm	1mil	±1-3%	±0.02mm	±1.0mil
F3	0 – 13mm	0 – 500mils	0.01mm	1mil	±1-3%	±0.05mm	±2.0mils
N1	0 – 1500µm	0 – 60mils	0.1µm up to 20µm 1µm 20 – 1500µm	0.01mil up to 1.0mil	±1-3%	±2.5µm	±0.1 mil
FNF1	0 – 1500µm	0 – 60mils	1µm	0.1mil	±1-3%	±3.0µm	±0.1 mil

PART NUMBERS

A345FB-I1 Ferrous Basic Integral Scale 1, 0-1500µm
A345FB-12 Ferrous Basic Integral Scale 2, 0-5mm
A345FB-S1 Ferrous Basic Separate Scale 1, 0-1500µm
A345FB-S2 Ferrous Basic Separate Scale 2, 0-5mm
A345FB-S3 Ferrous Basic Separate Scale 3, 0-13mm

A345NB-I1 Non-Ferrous Basic Integral Scale 1, 0-1500µm
A345NB-S1 Non-Ferrous Basic Separate Scale 1, 0-1500µm

A345FNFB11 Dual FNF Basic Integral, 0-1500µm
A345FNFB1 Dual FNF Basic Separate, 0-1500µm

Shipping List:
 Gauge/Probe, Protective Case,
 Calibration Foils, Batteries and
 Operating Instructions

¹ Integral probe models only