

## Elcometer 141 Paint Inspection Gauge



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### At a glance

- Low cost paint inspection gauge for measuring multi layered coating systems.
- Ideal for thick, hard coatings.

### Elcometer 141 Paint Inspection Gauge

The Elcometer 141 P.I.G. is a quick, versatile method of examination and measurement of coatings in a portable, easy to use instrument. Ergonomically designed to give a balanced weight distribution for a more consistent cut.

- Large easy to grip handle - allows the operator to cut thick or hard coatings easily
- Internal cutter storage compartment
- x50 magnification microscope
- Metric and Imperial Versions
- Can be converted into the Elcometer 107 Cross Hatch Cutter

### Coating Thickness Gauges – Destructive

Destructive thickness measurement is often the only guaranteed method available to test certain coating / substrate combinations including:

- Paint applied to concrete, wood, plaster, plastic, etc.

When it is necessary to measure the individual layer thicknesses in a multiple-layer coating system, the most accurate method available is the Paint Inspection Gauge (P.I.G.) coating thickness gauge.

### Can be used in accordance with:

ASTM D 4138	BS EN 3900-CS-5B
ISO 2808-5B	

	Metric	Imperial
Scale Range (Maximum)	2mm	0.08"
Overall Dimensions (Fitted to handle)	160 x 100 x 35mm	6.3 x 4 x 1.4"
Weight (Fitted to handle)	510g	1lb 2oz
Microscope	x50 Magnification with scale	
Cutting Tips Material	Tungsten Carbide	

Model	Description	Part Number					
		Metric	Imperial				
Elcometer 141	Elcometer 141 Paint Inspection Gauge including 3 cutters	A141---M	A141---E				
Accessories	Description	Cutting Angle	Measurement Range		Graticule Scale Factor (per division)		Part Number
			µm	mils	µm	mils	
	Tungsten Carbide Cutter No 1	45°	20 – 2000	1 – 79	20	1	T14115761-1
	Tungsten Carbide Cutter No 4	26.6°	10 – 1000	0.5 – 35	10	0.5	T14115761-4
Tungsten Carbide Cutter No 6	5.7°	2 – 200	0.1 – 7.9	2	0.1	T14115761-6	
Packing List	Elcometer 141 Paint Inspection Gauge, x50 microscope (metric or imperial graticule), 3 Cutters (1 fitted in instrument, 2 in storage space in handle), Black felt marker pen, Hexagonal wrench, Carrying case & Operating instructions						

## Related products



Elcometer 121

This easy to use paint inspection gage provides the user with a cutter, microscope and light all in one housing and is perhaps the most recognised form of PIG. Often referred to as the tooke gauge.



Elcometer 121/2

The Elcometer 121/2 Universal P. I. G. provides the User with a destructive coating thickness gauge and a lot more: Built-in microscope with illumination, three cutters supplied (No. 1, 2 and 3), cross hatch adhesion and Buchholz Hardness Test can all be carried out with this one gauge.



Elcometer 195

Whereas a Paint Inspection Gauge (P.I.G.) makes a linear cut along the coating, the Elcometer 195 Säberg Drill makes a small hole in order to measure the coating thickness layer thus much less damage is done - minimising the area that is not covered by the coatings guarantee.