Elcometer 121/4 Standard & Top Paint Inspection Gauges (PIG)

Can be used in accordance with:
AS1580.108.2, ASTM D 4138-A, BS 3900-C5-5B*, **DIN 50986,**
ISO 2808-5B*, **ISO 2808-6B, JIS K 5600-1-7, NF T30-123**

The Elcometer 121/4 Paint Inspection Gauge (P.I.G) is a hand-held paint gauge that offers a quick, versatile method of coating examination and measurement in a portable, easy-to-use format.
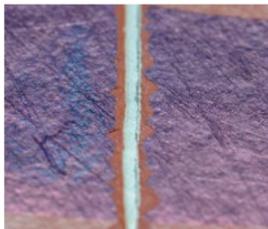
The paint inspection gauge is available in two versions, Standard and Top:
- Standard paint gauges can be used for microscopic coating examination and destructive measurement of coating thickness.
- Top inspection gauges have the same functionality as standard paint gauges and can also be used for cross hatch adhesion testing using optional tools.

Features

- Compact and convenient, ideal for paint thickness measurement in confined areas
- Made of anodised aluminium for durability
- Built-in 50x micropscope with rotatable graticule scale
- Bright white LED light source for clear vision through the microscope
- The standard paint inspection gauge holds a single cutting tool with built-in storage for 3 cutting tools
- The top model paint gauge cutting tools are mounted on a rotary tool holder within the body of the gauge, allowing rapid change from one test to the next
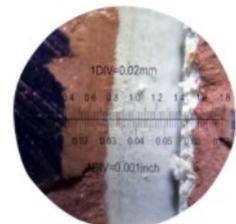- The top model tool holder accommodates three cutting tools plus an optional cross hatch cutting tool

Assessing you results using the Elcometer 121/4 Paint Inspection Gauge

Destructive dry film thickness test

Position the gauge vertically so that the microscope lens is over the cut.

Look through the microscope lens and rotate the focus adjuster until the cut is visible clearly.

Top unit standards as above plus: **AS 1580.408.4, AS 3894.9,** BS3900-E6*, **EN 13523-6**, ECCA T6*, **ISO 16276-2, ISO 2409,** NF T30-038*

elcometer

Technical Specifications

Description	Elcometer 121/4 Standard P.I.G.	Elcometer 121/4 Top P.I.G.	Certificate
Part Number	**A121---S**	**A121---T**	o
Range	2 - 2000µm Accuracy is dependent on tool cut angle, half a division		
Dimensions	Standard: 110 x 75 x 30mm, 369g	Top: 110 x 75 x 40mm, 383g	

o Optional Calibration Certificate available

* Standards not in bold have been superseded but are still recognised in some industries

Packing List

Elcometer 121/4
Cutters 1, 4 and 6
x50 microscope
4 x AG3 batteries for lamp (fitted)
Hexagonal wrench
Black Marker Pen
Wrist Strap
Carry Case
Operating Instructions

Accessories

Part Number	Description	Angle	Measurement Range	Graticule Scale Factor	Certificate
T99915761-1	Tungsten Carbide Cutter No 1	45°	20 - 2000µm	20µm	o
T99915761-4	Tungsten Carbide Cutter No 4	26.6°	10 - 1000µm	10µm	o
T99915761-6	Tungsten Carbide Cutter No 6	5.7°	2 - 200µm	2µm	o

Part Number	Description	Coating Thickness	Standard	Certificate
T99913700-1	X-Hatch Cutter, 6 teeth x 1mm	0 - 60µm	ISO	o
T99913700-2	X-Hatch Cutter, 11 teeth x 1mm	0 - 50µm	ASTM	o
T99913700-3	X-Hatch Cutter, 11 teeth x 1.5mm	0 - 60µm	-	o
T99913700-4	X-Hatch Cutter, 6 teeth x 2mm	50 - 125µm	ASTM	o
T99913700-4	X-Hatch Cutter, 6 teeth x 2mm	0 - 60µm	ISO	o
T99913700-4	X-Hatch Cutter, 6 teeth x 2mm	61 - 120µm	ISO	o
T99913700-5	X-Hatch Cutter, 6 teeth x 3mm	121 - 250µm	ISO	o
K0001539M001	Adhesion Tape (1 roll)		ASTM	
T9998894-	Adhesion Tape (2 rolls)		ASTM	
T9999358-1	Adhesion Tape (1 roll)		ISO	
T9999358-2	Adhesion Tape (2 rolls)		ISO	

o Optional Calibration Certificate available