

# elcometer®

inspection equipment



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DFT  
Fineness of  
Grind, Density  
Flow & Dip Cups  
Rotational Viscosity  
Flash Point, Impact Testers  
Washability & Abrasion Testers  
Film Applicators, Bend Testers, Gloss  
Thickness Gauges, Surface Profile, Wet Film  
Dry Film, Coating Thickness Gauges  
Climatic Testing, Adhesion, Pinhole Testers  
Porosity, Software, Dispersion, Inspection Kits  
Zahn Cups, Motorised Film Applicators  
Drying Time Recorders, Washability, Abrasion  
Scratch & Hardness, Elasticity & Deformation  
Surface Cleanliness, DOI Gloss Meters  
Colour, Moisture, Dewpoint Meters  
Cross-Hatch, Oven Recorders  
Surface Contamination  
ElcoMaster™



**Elcometer 108**  
Hydraulic Adhesion Tester  
[www.elcometer.com](http://www.elcometer.com)

**Elcometer 108**

**Hydraulic Adhesion Tester**



The Elcometer 108 Hydraulic Adhesion Tester is an extremely versatile Type III adhesion gauge which can be used for many adhesion requirements. Tests can be made on flat or curved (concave and convex) surfaces.

The Elcometer 108 is the ideal gauge for coatings on Tanks, Pipelines, etc.

- Hand-Powered and portable
- Ideal for site work
- Reusable stainless steel dolliers

Elcometer Digital Adhesion Gauge features:

- Maximum hold - displays the highest value reached
- Backlit display for dark areas
- Rubber protective casing
- Switchable Metric/Imperial

**STANDARDS:**

ASTM D 4541, ISO 16276-1,  
NF T30-606

The Elcometer 108 can be used with convex and concave dolliers, making this the gauge for adhesion of coatings on all pipelines including those with small diameter, tanks and other curved surfaces. There is a wide range of curved dolliers available, each designed for a specific range of curvature.

Technical Specification

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Part Number	Description	Certificate
UK 240V/EUR 220V US 110V		
<b>F108---1D</b> <b>F108---1C</b>	Elcometer 108/1 Hydraulic Adhesion Tester - Analogue Dial Gauge	○
<b>F108---2D</b> <b>F108---2C</b>	Elcometer 108/2 Hydraulic Adhesion Tester - Digital Gauge	○
Operating Range	Analogue: 0 - 18MPa (0 - 2600psi) Digital: 0 - 25MPa (0 - 3600psi)	
Analogue Instrument Accuracy	±1MPa Metric Scale; 150psi (Imperial Scale)	
Digital Instrument Accuracy	±3% or 60psi (whichever is the greater)	
Dolly Size	Outside Diameter 19.4mm (0.76") Inside Diameter 3.7mm (0.15") Area 284mm <sup>2</sup> (0.44sq.inch)	
Packing List	Elcometer 108, ABS carry case, 5 flat dolliers, 5 nylon plugs, MC1500 quick curing adhesive, dolly cleaning tool, heating tongs, 2 x LR6 (AA batteries) (Digital gauge only), case and operating instructions	

Accessories

<b>T99911135</b>	Cyanoacrylate Adhesive
<b>T1089646-</b>	Standard Flat Dolly 19.4mm (0.76")

Concave & Convex dolliers are available upon request

○ Calibration Certificate available.