

elcometer®
inspection equipment



Elcometer 508
Push Off Adhesion Tester

Elcometer 508

Digital Push Off Adhesion Tester

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

The Elcometer 508 Push Off Adhesion Tester is an extremely versatile Type III* adhesion gauge which can be used for many adhesion testing requirements. Tests can be made on flat or curved (concave and convex) surfaces.

Hand-held, ergonomic and fully portable - ideal for on-site adhesion testing

Measurement range up to 25MPa (3630psi) with a full scale accuracy of $\pm 1.5\%$

Quick connect coupling for easy connection to the dolly

Rotating crank handle applies smooth loading from 0 up to 25MPa (3630psi)



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Standard, convex and concave dollies can be used with the Elcometer 508, ideal for testing the adhesion of coatings on flat or curved surfaces such as pipelines and tanks.

Powerful

- Suitable for use on flat, concave & convex surfaces
- Rugged & lightweight
- Smooth load application up to 25MPa (3630psi)

Flexible

- Easy to use hand-held design
- Ideal for field use on tanks & pipelines
- Reusable stainless steel dollies
- MPa / psi switchable

Durable

- Sealed, heavy duty & impact resistant
- Dust & waterproof equivalent to IP65
- Suitable for use in harsh environments

Accurate

- Measurement range up to 25MPa (3630psi)
- Full scale accuracy of $\pm 1.5\%$
- Maximum hold - displays the highest value reached



The rubber protected backlit digital LCD displays the reading in MPa or psi. Maximum hold feature displays the highest value reached.



Flexible cable design allows the coupling to be positioned easily over the dolly. The pin is pushed through the centre against the substrate providing accurate repeatable results.



Supplied in a robust plastic carry case the kit includes the Elcometer 508 and five dollies which can be cleaned with the heated tongs and reused.

*Type III in accordance with ASTM D 4541

Adhesion - Push Off

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Technical Specification

Part Number	Description	Certificate
UK 240V/EUR 220V	US 110V	
F508-DD	F508-DC	Elcometer 508 Digital Push Off Adhesion Tester
Dolly Size	Outside Diameter	19.4mm (0.76")
	Inside Diameter	3.7mm (0.15")
	Area	284mm ² (0.44sq.inch)
Scale Range	0 - 26MPa (0 - 3800psi)	
Operating Range	2 - 25MPa (290 - 3630psi)	
Scale Resolution	0.01MPa (1psi)	
Accuracy	±1.5% of full scale	
Power Supply	2 x AA alkaline dry batteries (rechargeable batteries can be used)	
Weight	Gauge: 1.7kg (3.7lb)	Kit: 4.5kg (9.9lb)
Instrument Length	290mm (11.5")	Coupling Height: 200mm (8")
Packing List	Elcometer 508, transit case, 5 flat dollies, 5 dolly plugs, Cyanoacrylate Adhesive, dolly cleaning tool, 2 x LR6 (AA batteries), operating instructions and calibration certificate	

Accessories

Part Number	Description	Part Number	Description
T9999646-	Standard Flat Dolly (x1)	-	Concave & Convex Dollies available upon request
T99911135	Cyanoacrylate Adhesive	T9994586-	Dolly Cleaning Tool
T99911136	Dolly Plug (x5)	T99923147	Dolly Cleaning Heating Tongs - EUR 220V / UK 240V
T99914009	Dolly Cutter	T99923103	Dolly Cleaning Heating Tongs - US 110V

● Calibration Certificate supplied as standard.

The Elcometer 508 is supplied with a 1 year warranty as standard, extendable to 2 years, free of charge, via www.elcometer.com

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