elcometer®
coatings inspection

Elcometer 506

Pull- Off Adhesion Gauge

Elcometer 506 Pull-Off Adhesion Tester

The **Elcometer 506** Pull-Off Adhesion Testers allow the user to accurately measure the strength of the bond between the coating and the substrate.

STANDARDS:
ASTM D4541, ASTM D7234, AS/NZS 1580.408.5, BS 1881-207, DIN 1048-2, EN 12636, EN 13144, EN 1542, EN 24624, ISO 16276-1, ISO 4624, JIS K 5600-5-7, NF T30-606, NF T30-062

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

Measurement range up to 50MPa (7250psi) with an accuracy of ±1% of full scale

Rotating crank handle applies an even uniform load up to 50MPa (7250psi)

Safety harness clip prevents accidental damage of surrounding areas during tests on vertical surfaces

2 YEAR* WARRANTY

etv video available elcometer.tv

Elcometer 506

Pull-Off Adhesion Tester

Suitable for use in harsh environments

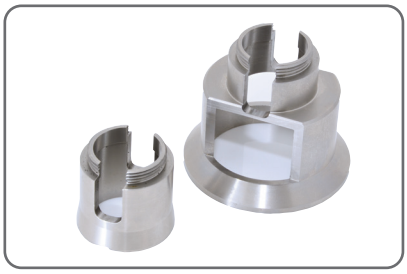
Powerful

- Suitable for use on metal, wood, concrete and other substrates
- Rugged & lightweight - ideal for frequent testing
- Smooth load application up to 50MPa (7250psi)

Quick connect coupling for 14.2, 20 and 50mm diameter dollies

Flexible

- Easy to use hand-held design
- Ideal for laboratory use
- 14.2, 20 and 50mm (0.56, 0.76 & 1.96") diameter reusable dollies
- Measures on small, curved and flat surfaces



Actuator skirts for a range of substrate thicknesses and bond strengths, on flat or curved surfaces, ideal for thin substrates

Accurate

- Measurement range up to 50MPa (7250psi) with an accuracy of ±1% of full scale

Sealed, heavy duty and impact resistant

Durable

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

* The Elcometer 506 is supplied with a 1 year warranty against manufacturing defects. The warranty can be extended free of charge to 2 years within 60 days of purchase via www.elcometer.com.

Elcometer 506 Pull-Off Adhesion Tester

Technical Specification

Part Number	Description			Certificate
F506-20D	Elcometer 506 Digital Adhesion Tester Kit; 20mm			●
F506-20DC	Elcometer 506 Digital Adhesion Tester Kit; 20mm - Certified			○
F506-50D	Elcometer 506 Digital Adhesion Tester Kit; 50mm			●
F506-50DC	Elcometer 506 Digital Adhesion Tester Kit; 50mm - Certified			○
Accuracy	±1% of full scale			
Pressure Rating	26MPa (3800psi)			
	14.2mm (0.56”) Dolly	**20mm (0.76”) Dolly**	**50mm (1.96”) Dolly**	
Operating Range	4 - 50MPa (600 - 7200psi)	2 - 25MPa (300 - 3600psi)	0.3 - 4MPa (50 - 580psi)	
Scale Resolution	0.01MPa (1psi)	0.01MPa (1psi)	0.01MPa (1psi)	
Instrument Length	290mm (11.5”)	290mm (11.5”)	290mm (11.5”)	
Actuator Height (skirt fitted)	85mm (3.4”)	85mm (3.4”)	110mm (4.3”)	
Instrument Weight	1.8kg (4lb)	1.8kg (4lb)	2.0kg (4.4lb)	
Kit Weight	4kg (8.8lb)	4kg (8.8lb)	5.2kg (11.5lb)	
Battery Type	2 x AA batteries (digital gauge only)		Battery Life: 2000 hours	
Packing List:				
20mm Kit	Elcometer 506 Adhesion Tester with 20mm dollies (x10), standard skirt for 20mm dollies, 20mm dolly cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abrasive pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions.			
50mm Kit	Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm dolly cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abrasive pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions.			

Accessories

Dolly Diameter	Pack of 10[1]	Pack of 100	Standard Skirt	Thin Substrate Skirt	Dolly Cutter Handle	Dolly Cutter
14.2mm (0.56”)	T9990014AL-10	T9990014AL-100	T9991420S	T9990014T	T9991420H	T9990014CT
20mm (0.76”)	T9990020AL-10	T9990020AL-100	T9991420S	T9990020T	T9991420H	T9990020CT
50mm (1.96”)	T9990050AL-4	-	T9990050S	-	T9990050H	T9990050CT
50mm (1.96”) Stainless Steel	T9990050SS-4	-	T9990050S	-	T9990050H	T9990050CT

Part Number	Description
T99923797	Magnetic Anchor Clamp - holds actuator securely during tests on vertical surfaces
T99912906	Araldite Standard Two Part Epoxy Adhesive, 2 x 15ml Tubes
T99923147	Dolly Cleaning Heating Tongs - EUR 220V / UK 240V
T99923103	Dolly Cleaning Heating Tongs - US 110V

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