elcomete 6 inspection equipment



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.



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 $\pm 1\%$ of full scale

Durable

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



Sealed, heavy duty and impact resistant

^{*} 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

F506-20D	t Number	ation					
F506-50DC		Description					Certificate
F506-50D)6-20D	Elcometer 506 Digital Adhesion Tester Kit; 20mm					•
Elcometer 506 Digital Adhesion Tester Kit; 50mm - Certified)6-20DC						0
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 85mm (3.4") 85mm (3.4") 110mm (4.3") (skirt fitted) 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 cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instruction of the companies of the com)6-50D						•
Pressure Rating 26MPa (3800psi) 14.2mm (0.56") Dolly 20mm (0.76") Dolly 50mm (1.96") Dolly 20mm (0.76") Dolly 50mm (1.96") Dolly 20mm (1.96")6-50DC						0
14.2mm (0.56") Dolly 20mm (0.76") Dolly 50mm (1.96") Dolly	curacy	±1% of full s	scale				
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") 110mm (4.3") Instrument Weight 1.8kg (4lb) 2.0kg (4.4lb) Kit Weight 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 cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructive arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructive arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructive arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructive arbor, 50mm dolly cutter, 4raldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6	ssure Rating	26MPa (380	00psi)				
Scale Resolution 0.01MPa (1psi) 0.01MPa (1psi) 0.01MPa (1psi) 0.01MPa (1psi)		· · · · ·		20mm (0.76") Dolly 5		0mm (1.96") Dolly	
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Actuator Height (skirt fitted) 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 cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instruc 50mm Kit Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instruc Accessories Dolly Diameter Pack of 10 ¹ Pack of 100 Standard Skirt Thin Substrate Skirt Dolly Cutter Handle Dolly C 14.2mm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T9990020mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	ale Resolution	. , ,		. ,).01MPa (1psi)	
(skirt fitted) Instrument Weight	trument Length	,					
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 cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instruc 50mm Kit Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instruc Accessories Dolly Diameter Pack of 10¹ Pack of 100 Standard Skirt Thin Substrate Skirt Dolly Cutter Handle Dolly C 14.2mm (0.56") T9990014AL-10 T9990020AL-10 T9991420S T9990014T T9991420H T9990020mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900		85mm (3.4")	85mm (3.4")	1	10mm (4.3")	
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 cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions Accessories Dolly Diameter Pack of 10¹ Pack of 100 Standard Skirt Thin Substrate Skirt Dolly Cutter Handle Dolly C 14.2mm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T99900 179991420H T99900 179991420H T99900	trument Weight	1.8kg (4lb)		1.8kg (4lb)	2	2.0kg (4.4lb)	
Packing List: 20mm Kit Elcometer 506 Adhesion Tester with 20mm dollies (x10), standard skirt for 20mm dollies, 20mm cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions. Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions. Accessories Dolly Diameter Pack of 10¹ Pack of 100 Standard Skirt Thin Substrate Skirt Dolly Cutter Handle Dolly C 14.2mm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T9990020mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	Weight	4kg (8.8lb)		4kg (8.8lb)	5	5.2kg (11.5lb)	
Elcometer 506 Adhesion Tester with 20mm dollies (x10), standard skirt for 20mm dollies, 20mm cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions. Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr 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 C 14.2mm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T9990020mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	tery Type	2 x AA batte	eries (digital gauge	only)	Battery L	ife: 2000 hours	
cutter handle, 20mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr pad, carry case, 2 x LR6 (AA) batteries (Digital Gauge only), test certificate and operating instructions. Elcometer 506 Adhesion Tester with 50mm dollies (x6), standard skirt for 50mm dollies, 50mm cutter arbor, 50mm dolly cutter, Araldite standard two part epoxy adhesive (2 x 15ml tubes), abr 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 Comm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T9990020mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	cking List:						
Dolly Diameter Pack of 10¹ Pack of 100 Standard Skirt Thin Substrate Skirt Dolly Cutter Handle Dolly C 14.2mm (0.56") T9990014AL-10 T9990014AL-100 T9991420S T9990014T T9991420H T99900 20mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T999000		pad, carry c	case, 2 x LR6 (AA)	batteries (Digita	ıl Gauge only), test ce		
20mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	nm Kit	Elcometer 5	506 Adhesion Test	er with 50mm d	ollies (x6), standard slard two part epoxy a	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tub	g instructions s, 50mm doll bes), abrasive
20mm (0.76") T9990020AL-10 T9990020AL-100 T9991420S T9990020T T9991420H T99900	ccessories	Elcometer 5 cutter arbor pad, carry c	506 Adhesion Test , 50mm dolly cutte case, 2 x LR6 (AA)	er with 50mm d r, Araldite stand batteries (Digita	ollies (x6), standard s lard two part epoxy a il Gauge only), test ce	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tub ertificate and operating	g instructions s, 50mm dolly nes), abrasive g instructions
	ccessories ly Diameter Pack	Elcometer 5 cutter arbor pad, carry c	506 Adhesion Test c, 50mm dolly cutte case, 2 x LR6 (AA)	er with 50mm d er, Araldite stand batteries (Digita Standard Skirt	ollies (x6), standard slard two part epoxy all Gauge only), test ce	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tubertificate and operating Dolly Cutter Handle	g instructions s, 50mm dolly nes), abrasive g instructions
100000	ccessories ly Diameter Pack 2mm (0.56") T999	Elcometer 5 cutter arbor pad, carry c	506 Adhesion Test c, 50mm dolly cutte case, 2 x LR6 (AA) Pack of 100	er with 50mm der, Araldite stand batteries (Digital Standard Skirt T9991420S	ollies (x6), standard slard two part epoxy all Gauge only), test ce Thin Substrate Skirt	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tubertificate and operating Dolly Cutter Handle T9991420H	g instructions s, 50mm dolly pes), abrasive g instructions Dolly Cutter
50mm (1.96") Stainless Steel T9990050S - T9990050H T99900	ccessories ly Diameter Pack 2mm (0.56") T999 nm (0.76") T999	Elcometer 5 cutter arbor pad, carry c	506 Adhesion Test c, 50mm dolly cutte case, 2 x LR6 (AA) Pack of 100	er with 50mm der, Araldite stand batteries (Digital Standard Skirt T9991420S	ollies (x6), standard slard two part epoxy all Gauge only), test ce Thin Substrate Skirt	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tubertificate and operating Dolly Cutter Handle T9991420H	p instructions s, 50mm dolly ses), abrasivo g instructions Dolly Cutter
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	Ccessories ly Diameter Pack 2mm (0.56") T999 nm (0.76") T999 nm (1.96") T999	elcometer 5 cutter arbor pad, carry compad, carry carry compad, carry carry compad, carry carry compad, carry compad, carry compad, carry compad, carry comp	506 Adhesion Test c, 50mm dolly cutte case, 2 x LR6 (AA) Pack of 100	er with 50mm der, Araldite stand batteries (Digital Standard Skirt T9991420S T9990050S	ollies (x6), standard slard two part epoxy all Gauge only), test ce Thin Substrate Skirt	ertificate and operating skirt for 50mm dollies dhesive (2 x 15ml tubertificate and operating Dolly Cutter Handle T9991420H T9990050H	p instructions s, 50mm doll pes), abrasive g instructions Dolly Cutter T9990014C T9990020C T9990050C
LDDD'2214 (LDDD) Clooping Hosting Longo LDD 2201/ / LDZ 2401/	ccessories ly Diameter Pack 2mm (0.56") T999 nm (0.76") T999 nm (1.96") T999 inless Steel t Number Descript 3923797 Magneti 3912906 Araldite	elcometer 5 cutter arbor pad, carry compad, carry carry compad, carry ca	Pack of 100 T9990014AL-100 T9990020AL-100	er with 50mm der, Araldite stand batteries (Digital batteries (Digital batteries) Standard Skirt T9991420S T9990050S T9990050S	ollies (x6), standard slard two part epoxy and Gauge only), test centre of the standard stand	prtificate and operating skirt for 50mm dollies dhesive (2 x 15ml tubertificate and operating Dolly Cutter Handle T9991420H T9990050H	p instructions s, 50mm dolly ces), abrasive g instructions Dolly Cutter T9990014C T9990020C

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. • Test Certificate supplied as standard. • Calibration Certificate supplied as standard. • Test Certificate supplied in packs of 4.