

elcometer® Protective Coatings Inspection Kits

Coating Inspection Kits

Site inspection requires a range of portable testing equipment. In order to make these products easily available and portable, Elcometer have developed a range of Coating Inspection Kits. All the gauges are conveniently stored in one hard plastic protective carrying case and are supplied with full operating instructions.



The Elcometer range of Protective Coatings Inspection Kits provide all the tools required for onsite inspection of a coating, including surface profile, dewpoint, relative humidity, adhesion and both wet and dry film thickness.

The kits are housed in a sturdy, light-weight carry case, Elcometer Protective Coatings Inspection Kits and are invaluable to the operator in the field to ensure the coating is, or has been, applied correctly and is fit for purpose, removing the need for guesswork.

Measurement parameters include:

	Kit 1	Kit 2	Kit 3	Kit 4	Kit 5	Kit 6
Material thickness						Y
Surface inspection				Y	Y	Y
Weld inspection	Y	Y	Y	Y	Y	Y
Surface cleanliness	Y	Y	Y	Y	Y	Y
Surface profile	Y	Y	Y	Y	Y	Y
Climatic conditions	Y	Y	Y	Y	Y	Y
Coating thickness	Y	Y	Y	Y	Y	Y
Adhesion	Y	Y	Y		Y	Y
Pinhole detection						Y

^a See next page for a full explanation of the items supplied with each instrument

Standards (comprehensive list for Kit 6)

AS 1580.108.2	ASTM D 3359-B	BS 5411-11	IMO MSC.244(83)	ISO 2808-7D	NF T30-123
AS 1580.408.4	ASTM D 4138-A	BS 5411-3	ISO 1461	ISO 8289-A	NF T30-124
AS 2331.1.4	ASTM D 4414-A	BS 5599	ISO 14654	ISO 8501-1	NF T30-125
AS 3894.2	ASTM D 4417-C	BS 7079-B4	ISO 16276-2	ISO 8502-3	SANS 5772
AS 3894.3-B	ASTM D 5162-A	BS 7079-C5	ISO 19840	ISO 8502-4	SS 184159
AS 3894.6-A	ASTM D 7091	BS 7793-2	ISO 2063	ISO 8502-6	SS 55900
AS 3894.6-C	ASTM E 376	DIN 50981	ISO 2360	ISO 8502-9	SSPC Guide 15
AS 3894.6-D	ASTM E 797	DIN 50984	ISO 2409	ISO 8503-5	SSPC PA 2
AS 3894.9	ASTM G 12	DIN 50986	ISO 2808-12	JIS K 5600-1-7	SSPC VIS 1
AS/NZS 1580.107.3	ASTM G6	ECCA T1	ISO 2808-1A	JIS K 6766	SSPC VIS 2
AS/NZS 1580.108.1	ASTM G62-A	ECCA T6	ISO 2808-5B	NACE RP 0188	SSPC VIS 3
ASTM B 499	BS 3900-C5-5B	EN 13523-1	ISO 2808-6A	NACE RP0287	SSPC VIS 4
ASTM D 1186-B	BS 3900-C5-6A	EN 13523-6	ISO 2808-6B	NACE SP 0188	SSPC VIS 5
ASTM D 1400	BS 3900-C5-6B	EN 15317	ISO 2808-7B	NACE TM0384	US Navy NSI 009-32
ASTM D 2200	BS 3900-E6	IMO MSC.215(82)	ISO 2808-7C	NF T30-038	US Navy PPI 63101-000

Standards not in **bold** have been superseded but are still recognised in some industries.



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Kit Content / Part Number

YKIT-PROTECTIVE-

	1M	2SM	2TM	3SM	3TM	4M	5M	6M
Elcometer 204 Steel Ultrasonic Thickness Gauge	-	-	-	-	-	-	Y	Y
Elcometer 128 Pictorial Standards	-	-	-	-	-	Y	Y	Y
Elcometer 131/1C Telescopic Inspection Mirror	-	-	-	-	-	Y	Y	Y
Elcometer 137 Illuminated Magnifier	-	-	-	-	-	-	-	Y
Elcometer 144 Paint Safe Marker Pens (Pack of 3)	-	-	-	-	-	Y	Y	Y
Elcometer 147 Weld Gauge	-	-	-	-	-	Y	Y	Y
Elcometer 142 Dust Tape Test Kit	-	-	-	-	-	Y	Y	Y
Elcometer 138 Bresle Salt kit ²	-	-	-	-	-	Y	Y	Y
Elcometer 138/2 Surface Contamination kit	-	-	-	-	-	-	Y	Y
Elcometer 122 Testex Replica Tape - Coarse & X-Coarse	Y	Y	Y	-	-	-	-	Y
Elcometer 124 Thickness Gauge	Y	Y	Y	-	-	-	Y	Y
Elcometer 224 Integral Digital Surface Profile Gauge	-	Basic	-	Basic	Top	Top	-	-
Elcometer 224 Separate Digital Surface Profile Gauge	-	-	Top	-	-	-	Top	Top
Elcometer 116 Whirling Hygrometer	Y	-	-	-	-	-	-	-
Elcometer 114 Dewpoint Calculator	Y	-	-	-	-	-	-	-
Elcometer 212 Digital Pocket Thermometer - Surface Probe	Y	-	-	-	-	-	-	-
Elcometer 319 Digital Dewpoint Meter	-	Std	Top	Std	Top	Top	Top	Top
Elcometer 107 Cross Hatch Cutter	Y	Y	Y	Y	Y	-	-	-
Elcometer 112 Hexagonal Wet Film Comb: 25 - 3000µm	Y	Y	Y	-	-	Y	Y	Y
Elcometer 115 Wet Film Comb (Set of 4)	-	-	-	Y	Y	-	-	-
Elcometer 456 Integral Digital F Coating Gauge, 0 - 1500µm	Basic	-	-	-	-	-	-	-
Elcometer 456 Separate Digital Coating Thickness Gauge	-	Std	Std	Top	Top	Top	Top	Top
Elcometer 456 Standard Separate Probe, 0 - 1500µm	-	Ferrous	Ferrous	FNF	FNF	-	-	-
Elcometer 456 Ferrous Standard Separate F2 Probe, 0-5mm	-	-	-	-	-	Ferrous	Ferrous	Ferrous
ElcoMaster™ 2.0 Software CD and USB Cable	-	Y	Y	Y	Y	Y	Y	Y
Elcometer 121 Paint Inspection Gauge with Cross Hatch cutters 6 x 1, 2 & 3mm & ISO Adhesive Tape	-	-	-	-	-	-	Top	Top
Elcometer 270 Pinhole Detector (9, 67.5 & 90V)	-	-	-	-	-	-	-	Y
Dimensions of Inspection Kit Carry Case	Length (mm)	456	456	456	456	456	495	575
	Breadth (mm)	384	384	384	384	384	420	475
	Height (mm)	110	127	127	127	127	175	205

¹ Swedish Rust Standard ISO 8501, SIS055900 supplied in Metric Kit, US Standard SSPC VIS 1-01 and VIS-3 supplied in Imperial Kit

² Supplied with Bresle Samplers not Bresle Patches

Elcometer 204 Steel Ultrasonic Thickness Gauge

Supplied in kits 5M & 6M, complete with:

- Transducer
- calibration certification
- bottle of couplant
- 2 x batteries
- carrying case
- operating instructions

Elcometer 128/1 Pictorial Standards BS EN ISO 8501-1:2007 / SIS 055900

Supplied in kits 4M, 5M & 6M

Elcometer 131/1C Telescopic Inspection Mirror

Supplied in kits 4M, 5M & 6M

Elcometer 137 Illuminated Magnifier

Supplied in kit 6M

Elcometer 144 Paint Safe Marker Pens (Pack of 3)

Supplied in kits 4M, 5M & 6M

Elcometer 147 Weld Gauge

Supplied in kits 4M, 5M & 6M





Elcometer 142 ISO 8502-3 Dust Tape Test Kit

Supplied in kits 4M, 5M & 6M, complete with:

- Illuminated Magnifier with Graticule
- LR14 Batteries (2x)
- Adhesive Tape
- Comparator Display Board
- Dust Assessment Plate
- Test Record Pad (25 sheets)



Elcometer 138 Bresle Salt Kit

Supplied in kits 4M, 5M & 6M, complete with:

- Bresle Patches (x25)
- 250ml Pure Water, 5ml Syringes (x3)
- Blunt Needles (x3), 30ml Plastic Beaker
- Elcometer 138 Conductivity Meter with Storage Pouch
- CR2032 Batteries (x2), Standard Solution (1.41mS/cm x 2)
- Moistening Solution, Purified Water, Pipette

Elcometer 138/2 Surface Contamination Kit

Supplied in kits 5M & 6M, complete with:

- 100 x pH test strips
- 100 x Iron test strips
- 40 x Chloride test strips
- 50 x Bresle samplers
- 3 x 5ml syringes, 3 x needles
- 30ml plastic beaker
- carry case and operating instructions

Elcometer 122 Testex Replica Tape - Coarse & X-Coarse

Supplied in kits 1M, 2SM, 2TM & 6M

Elcometer 124 Thickness Gauge

Supplied in kits 1M, 2SM, 2TM, 5M & 6M

Elcometer 224 Integral Digital Surface Profile Gauge, 0 - 500µm

Supplied in kits 2SM, 3SM, 3TM & 4M, complete with:

- Calibration Test Foils - Nominal Values: 125 & 500µm
- Glass Zero Tile
- AA Batteries (x2)
- Probe Tip Protection Cap
- Wrist Strap
- Test Certificate

Elcometer 224 Separate Digital Surface Profile Gauge and Standard Separate Probe, 0 - 500µm

Supplied in kits 2TM, 5M & 6M complete with:

- AA Batteries (x2)
- Calibration Test Foils - Nominal Values: 125 & 500µm
- Glass Zero Tile
- Probe Tip Protection Cap Wrist Strap
- Test Certificate

Elcometer 116 Whirling Hygrometer

Supplied in kit 1M

Elcometer 114 Dewpoint Calculator

Supplied in kit 1M

Elcometer 212 Digital Pocket Thermometer - Surface Probe

Supplied in kit 1M

Elcometer 319 Digital Dewpoint Meter

Supplied in kits 2SM, 2TM, 3SM, 3TM, 4M, 5M & 6M, complete with:

- AA Batteries (x2)
- Wrist Strap
- Carry case
- Calibration certificate
- USB Cable (for Top model)
- Operating instructions





Elcometer 107 Cross Hatch Cutter

Supplied in kits 1M, 2SM, 2TM, 3SM, 3TM, complete with:

- Metric Kit 1: 6 x 1mm & 6 x 2mm Cutter; Kit 2 & 3: 6 x 2mm Cutter
- Metric Kits: 1 Roll of ISO Tape
- Allen Key (2.5mm)
- Brush
- Eye Glass

Elcometer 112 Hexagonal Wet Film Comb

Supplied in kits 1M, 2SM, 2TM, 4M, 5M & 6M:

- Metric Kits: 25 – 3000µm



Elcometer 115 Wet Film Combs, Set of 4

Supplied in kits 3SM, 3TM:

- Metric Kits: 20 - 325µm, 50 - 450µm, 50 - 750µm & 125 - 1250µm

Elcometer 456 Integral Digital Coating Thickness Gauge, 0 - 1500µm

Supplied in kit 1M, complete with:

- Scale 1 Foil Set: 25, 50, 125, 250, 500 & 1000µm
- AA Batteries (x2)
- Wrist Strap
- Test Certificate



Elcometer 456 Separate Digital Coating Thickness Gauge

Supplied in kits 2SM, 2TM, 3SM, 3TM, 4M, 5M & 6M, complete with:

- AA Batteries (x2)
- Wrist Strap
- Test Certificate

Elcometer 456 Standard Separate Scale 1 Probe, 0 - 1500µm

Supplied in kits 2SM, 2TM, 3SM, 3TM, complete with:

- Scale 1 Foil Set: 25, 50, 125, 250, 500 & 1000µm
- Test Certificate

Elcometer 456 Standard Separate Scale 2 Probe, 0 – 5mm

Supplied in kits 4M, 5M & 6M, complete with:

- Scale 2 Foil Set: 25, 50, 125, 250, 500, 1000, 2000 & 3000µm
- Test Certificate

ElcoMaster™ 2.0 Software

Supplied in kits 2SM, 2TM, 3SM, 3TM, 4M, 5M & 6M, complete with USB cable.

ElcoMaster™ allows you to review your data and produce professional reports quickly and easily. ElcoMaster™ for Android™ can also be used to transfer readings straight to smart phones and tablets running Android 2.1 or above, allowing data analysis immediately on site, without having to turn on a computer.



Elcometer 121-4 Standard or Top P.I.G, 1, 4 and 6 cutters

Supplied in kits 5M & 6M, complete with:

- Integral x50 microscope
- AG3 batteries (x4) for lamp – fitted
- 3.0mm hexagonal wrench
- Black marker pen
- Wrist strap
- Carry case
- Operating instructions



Elcometer 270 Pinhole Detector (9, 67.5 & 90V)

Supplied in kit 6M, complete with:

- Standard Wand Assembly (Flat Sponge)
- 4m Signal Return Cable
- 3 x AA Batteries
- Instruction Book

