

# Elcometer Protective Coatings Inspection Kits

Can work in accordance with:  
 AS/NZS, ASTM, BS, DIN, ECCA, EN, IMO, ISO, JIS, NACE, NF, SSPC, US Navy  
 See below for the comprehensive list



Kit 1



Kit 2



Kit 3



Kit 4



Kit 5



Kit 6

## 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						•
Surface Inspection				•	•	•
Weld Inspection				•	•	•
Surface Cleanliness				•	•	•
Surface Profile	•	•	•	•	•	•
Climatic Conditions	•	•	•	•	•	•
Coating Thickness	•	•	•	•	•	•
Adhesion	•	•	•		•	•
Pinhole Detection						•

<sup>a</sup> See next page for a full explanation of the items supplied with each instrument

## Technical Specifications

Kit Content / Part Number	YKIT-PROTECTIVE-KIT							
	1	2S	2T	3S	3T	4	5	6
Elcometer MTG2 Material Thickness Gauge							•	•
Elcometer 128 Pictorial Standards						•	•	•
Elcometer 131/1C Telescopic Inspection Mirror						•	•	•
Elcometer 137 Illuminated Magnifier								•
Elcometer 144 Paint Safe Marker Pens (Pack of 3)						•	•	•
Elcometer 147 Weld Gauge						•	•	•
Elcometer 142 Dust Tape Test Kit						•	•	•
Elcometer 138 Bresle Salt Kit <sup>2</sup>						•	•	•
Elcometer 138/2 Surface Contamination kit							•	•
Elcometer 122 Testex <sup>®</sup> Replica Tape - Coarse & X-Coarse	•	•	•				-	•
Elcometer 124 Thickness Gauge	•	•	•				•	•
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	•							
Elcometer 114 Dewpoint Calculator	•							
Elcometer 212 Digital Pocket Thermometer - Surface Probe	•							
Elcometer 319 Digital Dewpoint Meter		Std	Top	Std	Top	Top	Top	Top
Elcometer 107 Cross Hatch Cutter	•	•	•	•	•			
Elcometer 112 Hexagonal Wet Film Comb: 25-3000µm	•	Y	Y			•	•	•
Elcometer 115 Wet Film Comb (Set of 4)				•	•			
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 <sup>®</sup> Software CD and USB Cable		•	•	•	•	•	•	•
Elcometer 121 Paint Inspection Gauge with Cross Hatch cutters 6 x 1, 2 & 3mm & ISO Adhesive Tape							Top	Top
Elcometer 270 Pinhole Detector								•
Dimensions of Inspection Kit Carry Case								
Length (mm)	456	456	456	456	456	495	575	575
Breadth (mm)	384	384	384	384	384	420	475	475
Height (mm)	110	127	127	127	127	175	205	205
Certificate	•	•	•	•	•	•	•	•

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

<sup>2</sup> Supplied with Bresle Samplers not Bresle Patches

Part Number	Description	Certificate
YKIT-PROTECTIVE-1M	Elcometer Protective Coatings Inspection Kit 1	•
YKIT-PROTECTIVE-2SM	Elcometer Protective Coating Inspection Kit 2 Standard	•
YKIT-PROTECTIVE-2TM	Elcometer Protective Coating Inspection Kit 2 Top	•
YKIT-PROTECTIVE-3SM	Elcometer Protective Coating Inspection Kit 3 Standard	•
YKIT-PROTECTIVE-3TM	Elcometer Protective Coating Inspection Kit 3 Top	•
YKIT-PROTECTIVE-4M	Elcometer Protective Coatings Kit 4	•
YKIT-PROTECTIVE-5M	Elcometer Protective Coatings Inspection Kit 5	•
YKIT-PROTECTIVE-6M	Elcometer Protective Coating Inspection Kit 6	•

• Certified kit available upon request

## Packing Lists



### Elcometer MTG2 Material Thickness Gauge

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

- Transducer & Couplant
- Calibration certificate
- Wrist harness
- Protective case
- Screen protector, 2 x AA batteries & 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:

- Box of 25 Elcometer 135C Bresle Test Patches
- Elcometer 138E Conductivity Meter
- 250ml bottle of pure water & 30ml plastic beaker
- 3 x 3ml syringes & 3 x blunt needles
- 1 x 20ml Single Use Pouch Standard 1413  $\mu\text{S}/\text{cm}$  Calibration Solution
- 4 x LR44 batteries, Transit Case & User Guide

### Elcometer 138/2 Surface Contamination Kit

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

- Elcometer 135C Bresle Test Patch x 50
- pH Test Strips x 100
- Iron Test Strips x 100
- Chloride Test Strips x 40
- Syringes, 5ml x 3, Needles (Blunt) x 3
- Plastic Beaker 30ml
- Transit Case & User Guide

### 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- 1500µ**

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® Data Management 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® software can be used with your mobile app for all your data management, reporting and quality assurance needs. Using ElcoMaster's® gauge wizard, connecting a gauge & downloading data (via Bluetooth® or USB) is fast and easy

**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

**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