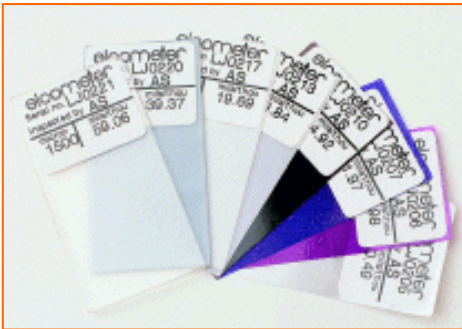


# Elcometer 990 Calibration Foils & Zero Test Plates



Elcometer 990 Calibration Foils & Zero Test Plates

**At a glance**

- Available in 1% or 2%.
- Individual foils & foil sets available.
- Thickness between 12.5µm & 20mm available.
- Supplied with or without zero plates.

**Elcometer 990 Calibration Foils & Zero Test Plates**

Ideal for use in the laboratory, production line or on the construction site, calibration foils or 'shims' are the most convenient way of creating a coating thickness standard on your substrate material or form. The ideal method for adjusting the calibration of your coating thickness gauge to ensure the greatest possible accuracy.

In some cases, however, it may be difficult, or impractical to obtain an uncoated substrate. For this reason Elcometer have provided a range of Zero Test Plates. These test plates are also an ideal method, when used in conjunction with a set of foils, are ideal to test a coating thickness gauge's functionality and calibration.

- Metric and Imperial values displayed on each foil
- Available individually or in foil sets – with or without Zero Plate
- Available as either a precision foil (±1% accuracy) or as a nominal foil (±2% accuracy).
- Each foil is uniquely serial numbered and can be certified traceable to National Standards
- Available in thicknesses from 12.5µm to 20mm (0.5 to 790mils).

**Coating Thickness Standards**

Formal quality systems such as those described in ISO 9000 and Guide 25 require that gauges be properly controlled, logged and in calibration. Increasingly, users are specifying that the readings taken by gauges are traceable to National Standards. There are three types of coating thickness standards available from Elcometer: coated standards, foils and zero test plates.

ZERO TEST PLATES	
2% Ferrous	T3459529-
1% Ferrous	T3554910-
Large Ferrous	T9994054-

ZERO TEST PLATES	
2% Non-Ferrous	T3459530-
1% Non-Ferrous	T3554911-
Large Non-Ferrous	T9994055-

PRECISION FOILS SETS ( $\pm 1\%$ Accuracy) - Ideal for high accuracy instruments					
Range		Quantity	Foil Values		Part Number
$\mu\text{m}$	mils		$\mu\text{m}$	mils	
12.5 – 1500	0.5 – 60	8 foils / F Zero	12.5, 25, 50, 125, 250, 500, 1000, 1500	0.5, 1.0, 2.0, 5.0, 10, 20, 40, 60	T99049001
12.5 – 1500	0.5 – 60	8 foils / NF Zero	12.5, 25, 50, 125, 250, 500, 1000, 1500	0.5, 1.0, 2.0, 5.0, 10, 20, 40, 60	T99049002
50 – 4000	2.0 – 160	7 foils / NF Zero	50, 125, 250, 500, 1000, 2000, 4000	2.0, 5.0, 10, 20, 40, 80, 160	T99049003
500 – 8000	20.0 – 315	6 foils / F Zero	500, 1000, 2000, 3000, 4000, 8000	20, 40, 80, 120, 160, 315	T99049004
12.5 – 250	0.5 – 10	7 foils / F Zero	12.5, 25, 50, 75, 125, 175, 250	0.5, 1.0, 2.0, 3.0, 5.0, 7.0, 10	T99049005
50 – 4000	2.0 – 160	7 foils / NF Zero	50, 125, 250, 500, 1000, 2000, 4000	2.0, 5.0, 10, 20, 40, 80, 160	T99049007
12.5 – 250	0.5 – 10	7 foils / NF Zero	12.5, 25, 50, 75, 125, 175, 250	0.5, 1.0, 2.0, 3.0, 5.0, 7.0, 10	T99049006

NOMINAL FOILS SETS ( $\pm 2\%$ Accuracy)					
Each Foil Set is supplied in a Foil Wallet					
Range		Quantity	Foil Values		Part Number
$\mu\text{m}$	mils		$\mu\text{m}$	mils	
500 – 2000	20 – 80	4 foils	500, 1020, 2000(2)	20, 40, 80(2)	T9904199J
1000 - 8000	40 – 315	4 foils	1000, 2000, 4000, 8000	40, 80, 160, 315	T9904199K
25 – 1020	1.0 – 40	3 foils	25, 250, 1020	1.0, 10, 40	T9904199G
50 – 1020	2.0 – 40	4 foils	50, 125, 500, 1020	2.0, 5.0, 20, 40	T9904199S
50 – 1020	2.0 – 40	5 foils	50, 125, 250, 500, 1020	2.0, 5.0, 10, 20, 40	T99041991
12 – 175	0.5 – 7.0	5 foils	12, 25, 50, 125, 175	0.5, 1.0, 2.0, 5.0, 7.0	T99041995
12 – 250	0.5 – 10	6 foils	12, 25, 50, 125, 175, 250	0.5, 1.0, 2.0, 5.0, 7.0, 10	T99041990
12 – 500	0.5 – 20	6 foils	12, 25, 50, 125, 250, 500	0.5, 1.0, 2.0, 5.0, 10, 20	T99041994
1000-20000	40 – 790	6 foils	1000(2), 5000(2), 12000, 20000	40(2), 200(2), 475, 790	T99041993
12 – 1020	0.5 – 40	7 foils	12, 25, 50, 125, 250, 500, 1020	0.5, 1.0, 2.0, 5.0, 10, 20, 40	T9904199E
12 – 1020	0.5 – 40	8 foils	12, 25, 50, 125, 175, 250, 500, 1020	0.5, 1.0, 2.0, 5.0, 7.0, 10, 20, 40	T9904199F
50 – 4000	2.0 – 160	8 foils	50, 125, 250, 500, 1020(2), 3000, 4000	2.0, 5.0, 10, 20, 40(2), 120, 160	T99041992

INDIVIDUAL FOILS				
Each Foil is supplied in a Foil Wallet				
Nominal		Colour	Precision Foils	Nominal Foils
$\mu\text{m}$	mils			
12.5	0.5	Silver	T990490101	T9904169-
25	1.0	Purple	T990490102	T9904170-
50	2.0	Dark Blue	T990490103	T9904171-
75	3.0	Green	T990490104	T99011411
125	5.0	Brown	T990490105	T9904172-
175	7.0	Peacock Blue	T990490106	T9904173-
250	10	White	T990490107	T9904174-
500	20	Black	T990490108	T9904175-
1000	40	Clear	T990490109	-
1020	40	Grey/Blue	-	T9904191-
1500	60	Off White	T990490110	-
2000	80	Clear	T990490111	T9904190-
3000	120	Clear	T990490112	T9904180-
4000	160	Clear	T990490113	T9904181-
5000	315	Slate	T990490114	T99011674

*Notes: Additional  $\pm 1\%$  foils/shims are available covering the range 8 – 20mm (315 to 790mils). Please contact Elcometer for further information.*

*$\pm 1\%$  and  $\pm 2\%$  foils cannot be combined on one Calibration Certificate. A Calibration Certificate can obtain up to 8 foils.*

*Calibration Certificates are not available for foils above 8000 $\mu\text{m}$ .*

*1% foils below 50 $\mu\text{m}$  have an accuracy of  $\pm 0.5\mu\text{m}$ .*

*All foil values are nominal – foils values supplied may be slightly different to the values shown above to ensure greater accuracy.*

## Related products



Elcometer 345

The Elcometer 345 Coating Thickness Gauge is an incredibly versatile gauge. With a range of probes in both Integral or Separate probe versions for coating thickness measurements on Ferrous (F), Non Ferrous (N) or both Ferrous and Non Ferrous (FNF) Substrates, the Elcometer 345 will have a gauge for your requirements.



Elcometer 456

With its recently enhanced and simplified menu screen options, the Elcometer 456 remains the most advanced hand held coating thickness gauge on the market today. This flagship product is available in any combination of Basic, Standard and Top functionality; together with Integral (built in) and an extensive range of separate plug in probes. With such an extensive range of gauge options, there is an Elcometer 456 to meet your specific application needs.



Elcometer 355

Accuracy, simplicity, versatility and flexibility are the watchwords of the Elcometer 355, a truly state of the art hand-held measuring system packed with time-saving and cost cutting features. The key to the superiority of the Elcometer 355 is its measuring system which features a range of interchangeable Probe Modules capable of an accuracy of  $\pm 1\%$  of the reading on a variety of coatings and substrates.

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