

## Elcometer 990 Calibration Foils & Zero Test Plates



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The Elcometer 990 Calibration Foils and Zero Test plates are ideal for use in the laboratory, on the production line or on site. Calibration foils or 'shims' are the most convenient way of creating a coating thickness standard on the substrate material, surface finish or form. This is the ideal method for adjusting the calibration of the coating thickness gauge to ensure the greatest possible accuracy.

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

### Features:

- Metric and Imperial values displayed on each foil
- Available individually or in foil sets
- Each foil has a unique serial number for traceability
- Available in thicknesses from 12.5µm to 25mm (0.5 to 980mils)

### Coated Standards

Quality systems, such as those described in ISO 9000, ISO 17025 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.

Calibration foils or 'shims' are the most convenient way of creating a coating thickness standard on the substrate material, surface finish or form. This is the ideal method for adjusting the calibration of the coating thickness gauge to ensure the greatest possible accuracy.

In some cases, it may be difficult or impractical to obtain an uncoated substrate. Pre-coated thickness standards or Zero Test Plates, used in conjunction with a set of foils, are ideal to test a coating thickness gauge's functionality and calibration.

## Zero Test Plates

TECHNICAL SPECIFICATION			
Part Number		Description	Dimensions
Ferrous	Non-Ferrous		
T9994910-	T9994911-	Zero Test Plate $\pm 1\%$	50.8 x 25.4mm (2.0 x 1.0")
T9999529-	T9999530-	Zero Test Plate $\pm 2\%$	76.2 x 50.8mm (3.0 x 2.0")
T9994054-	T9994055-	Zero Test Plate – large $\pm 2\%$	76.2 x 101.6mm (3.0 x 4.0")

Precision Foils & Foil Sets ( $\pm 1\%$  Accuracy<sup>α</sup>)

TECHNICAL SPECIFICATION										
PRECISION FOILS			PRECISION FOIL SETS							
Part Number	Colour	Values <sup>1</sup>	Scale 1 T99022255-1 <sup>†</sup> T99022255-1C <sup>‡</sup>	Scale 2 T99022255-2 <sup>†</sup> T99022255-2C <sup>‡</sup>	Scale 3 T99022255-3 <sup>†</sup> T99022255-3C <sup>‡</sup>	Scale 4 T99022255-4 <sup>†</sup> T99022255-4C <sup>‡</sup>	Scale 5 T99022255-5 <sup>†</sup> T99022255-5C <sup>‡</sup>	Scale 6 T99022255-6 <sup>†</sup> T99022255-6C <sup>‡</sup>	Scale M3 T99022255-7 <sup>†</sup> T99022255-7C <sup>‡</sup>	Scale 2B T99022255-8 <sup>†</sup> T99022255-8C <sup>‡</sup>
T99022570-1A <sup>2</sup>	Silver	12.5µm (0.5mil)				■	■		■	
T99022570-2A <sup>2</sup>	Purple	25µm (1.0mil)	■	■		■	■		■	
T99022570-2B <sup>3</sup>	Purple	25µm (1.0mil)								■
T99022570-4A <sup>2</sup>	Dark Blue	50µm (2.0mils)	■	■		■	■		■	
T99022570-4B <sup>3</sup>	Dark Blue	50µm (2.0mils)								■
T99022570-6A <sup>2</sup>	Green	75µm (3.0mils)								
T99022570-7A <sup>2</sup>	Brown	125µm (5.0mils)	■	■		■	■		■	
T99022570-7B <sup>3</sup>	Brown	125µm (5.0mils)								■
T99022570-9A <sup>2</sup>	Peacock Blue	175µm (7.0mils)								
T99022570-10A <sup>2</sup>	White	250µm (10mils)	■	■	■	■	■		■	
T99022570-10B <sup>3</sup>	White	250µm (10mils)								■
T99022570-12A <sup>2</sup>	Black	500µm (20mils)	■	■	■		■		■	
T99022570-12B <sup>3</sup>	Black	500µm (20mils)								■
T99022570-14A <sup>2</sup>	Grey-Blue	1000µm (40mils)	■	■						
T99022570-14B <sup>3</sup>	Clear	1000µm (40mils)						■		■
T99022570-16A <sup>2</sup>	Clear	1mm (40mils)			■					
T99022570-17A <sup>2</sup>	Off White	1500µm (60mils)								
T99022570-18A <sup>2</sup>	Clear	2mm (80mils)		■	■					
T99022570-18B <sup>3</sup>	Clear	2mm (80mils)						■		■ (x2)
T99022570-20A <sup>2</sup>	Clear	3mm (120mils)		■						
T99022570-21A <sup>2</sup>	Clear	4mm (160mils)			■					
T99022570-22B <sup>3</sup>	Clear	5mm (200mils)						■		
T99022570-23A <sup>2</sup>	Clear	8mm (310mils)			■					
T99022570-24B <sup>3</sup>	Clear	9.5mm (370mils)						■		
T99022570-25B <sup>3</sup>	Grey	15mm (590mils)						■		
T99022570-26B <sup>3</sup>	Grey	25mm (980mils)						■		
T45618978-2*	Grey	1500µm (60mils)								
T45618978-3*	Grey	5000µm (197mils)								

<sup>1</sup> Actual foil values may vary, but are accurately labelled<sup>2</sup> Dimensions: 50 x 25mm<sup>3</sup> Dimensions: 75 x 50mm<sup>†</sup> Un-Certified <sup>‡</sup> Certified

\* For use with the high temperature PINIP™ probe only due to the potential high temperature of the sample. Foils supplied in a cap which fits over the PINIP™ probe.

<sup>α</sup> Foils below 50µm (2.0mils) have an accuracy of  $\pm 0.5\mu\text{m}$  (0.02mil)

## Related Products



Elcometer 456

### Elcometer 456 Digital Coating Thickness Gauge with Bluetooth®

The new version of the Elcometer 456 now benefits from a larger display for easy data viewing and a simple calibration feature to make testing even quicker. The Elcometer 456 also features Bluetooth® wireless technology for fast data transfer to ElcoMaster™ Software, ideal for easy report generation and archiving of readings.



Elcometer 355

### Elcometer 355 Coating Thickness Gauge

The Elcometer 355's watchwords are accuracy, simplicity, versatility and durability making this a true state of the art hand held measuring system packed with time-saving and cost-cutting features. Available as a standard and top model, the unit's large memory stores up to 10,000 readings in batches and data can be output to PC, datalogger or printer as required.

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