

Elcometer 990 Calibration Foils

The Elcometer 990 Calibration Foils 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.

Features:

- Metric and Imperial values displayed on each foil
- Available individually or in foil sets
- Precision foils with $\pm 1\%$ accuracy
- Each foil has a unique serial number for traceability
- Available in thicknesses from 12.5 μm to 20mm (0.5 to 790mils)



Using calibration foils



- ◀ Each foil has been independently measured at the centre point.
- For the greatest accuracy, place the probe in the centre of the foil.

Up to 4 foils can be combined to create a wider range of thickness values.



Elcometer 990 Calibration Foils

Technical Specification

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Individual Precision Foils

Part Number	Colour	Dimensions	Values*	Certificate+
T99022570-1A	Silver	50 x 25mm (1.97 x 0.98")	12.5µm (0.5mil)	○
T99022570-2A#	Purple	50 x 25mm (1.97 x 0.98")	25µm (1.0mil)	○
T99022570-4A#	Dark Blue	50 x 25mm (1.97 x 0.98")	50µm (2.0mils)	○
T99022570-6A	Green	50 x 25mm (1.97 x 0.98")	75µm (3.0mils)	○
T99022570-7A#	Brown	50 x 25mm (1.97 x 0.98")	125µm (5.0mils)	○
T99022570-9A	Peacock Blue	50 x 25mm (1.97 x 0.98")	175µm (7.0mils)	○
T99022570-10A#	White	50 x 25mm (1.97 x 0.98")	250µm (10mils)	○
T99022570-12A#	Black	50 x 25mm (1.97 x 0.98")	500µm (20mils)	○
T99022570-14A#	Grey-Blue	50 x 25mm (1.97 x 0.98")	1000µm (40mils)	○
T99022570-16A	Clear	50 x 25mm (1.97 x 0.98")	1mm (40mils)	○
T99022570-17A	Off White	50 x 25mm (1.97 x 0.98")	1500µm (60mils)	○
T99022570-18A#	Clear	50 x 25mm (1.97 x 0.98")	2mm (80mils)	○
T99022570-20A	Clear	50 x 25mm (1.97 x 0.98")	3mm (120mils)	○
T99022570-21A	Clear	50 x 25mm (1.97 x 0.98")	4mm (160mils)	○
T99022570-23A	Clear	50 x 25mm (1.97 x 0.98")	8mm (310mils)	○
T45618978-2**	Grey	n/a	1500µm (60mils)	○
T45618978-3**	Grey	n/a	5000µm (197mils)	○

Alternative 75 x 50mm foils upon request

* Actual foil values may vary, but are accurately labelled

** For use with the high temperature PINIP™ probes only due to the potential high temperature of the sample.

Foils supplied in a cap which fits over the PINIP™ probe.

+ A Certificate can be supplied with any combination of up to 8 Foils

○ Optional Calibration Certificate available.

Technical Specification

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Calibration Foils Sets

Description	Foil Values (µm)	Foil Values (mils)	Un-Certified	Certified
Scale 1 Foil Set; 0-1500µm (0-60mils)	25, 50, 125, 250, 500, 1000	1.0, 2.0, 5.0, 10, 20, 40	T99022255-1	T99022255-1C
Scale 2 Foil Set; 0-5mm (0-200mils)	25, 50, 125, 250, 500, 1000, 2000, 3000	1.0, 2.0, 5.0, 10, 20, 40, 80, 120	T99022255-2	T99022255-2C
Scale 3 Foil Set; 0-13mm (0-500mils)	250, 500, 1000, 2000, 4000, 8000	10, 20, 40, 80, 160, 315	T99022255-3	T99022255-3C
Scale 4 Foil Set; 0-250µm (0-10mils)	12.5, 25, 50, 125, 250	0.5, 1.0, 2.0, 5.0, 10	T99022255-4	T99022255-4C
Scale 5 Foil Set; 0-800µm (0-32mils)	12.5, 25, 50, 125, 250, 500	0.5, 1.0, 2.0, 5.0, 10, 20	T99022255-5	T99022255-5C
Scale 6 Foil Set; 0-30mm (0-1200mils)	1000, 2000, 5000, 9500, 15mm, 25mm	40, 80, 200, 375, 590, 980	T99022255-6	T99022255-6C
Scale M3 Foil Set; 0-500µm (0-20mils)	12.5, 25, 50, 125, 250, 500	0.5, 1.0, 2.0, 5.0, 10, 20	T99022255-7	T99022255-7C
Scale 2B Foil Set ¹ ; 0-5mm (0-200mils)	25, 50, 125, 250, 500, 1000, 2000, 2000	1.0, 2.0, 5.0, 10, 20, 40, 80, 80	T99022255-8	T99022255-8C

¹The Scale 2B foil sets are designed for soft coating probes and have a larger foil surface area