

elcometer®
inspection equipment



Elcometer 4340
Motorised/Automatic Film Applicator

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Motorised/Automatic Film Applicator

The Elcometer 4340 Motorised Film Applicator is the essential machine for preparing a wide variety of product samples including paint, varnish, cosmetics and glue.

STANDARDS:
ASTM D 823-C

11 pre-set transverse speeds
from 0.2 - 3.9 inches per second

Standard table &
perforated or channelled
vacuum tables available

Electric or water heated
sample tables available
for temperature control



Adjustable travel
carriage with 'auto stop'
at end of travel

Precision engineered flat aluminium
table for better repeatability
- 5 times flatter than glass

Heavy base unit to minimise vibration and
to produce high quality samples, without
"Vibration ridges"

Ideal for testing liquids including:
paint, varnish, cosmetics, glue

Can be used with a full
range of Elcometer Film
Applicators

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The Elcometer 4340 provides total consistency and reproducibility on various substrates including contrast charts, sheet steel, plastic foils and glass.



Interchangeable head attachments

Easily switched between film applicators

- Spiral Bar Head Attachment
- Standard Applicator Head Attachment
- Combined Spiral/Standard Head Attachment



Durable & Rugged

- Sturdy rigid design to eliminate vibration during film application
- Up to 15 years of standard use



Choice of Bed

- Standard flat table
- Single and double channelled vacuum tables
- Perforated and heated vacuum tables



Smooth & multiple concurrent tests

- Use up to 3 film applicators simultaneously
- Test up to 2 test charts simultaneously

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Film Applicator Attachment



Spiral Bar Attachment



Combined Film Applicator and Spiral Bar Attachment

A range of applicator head attachments is available separately, allowing the user to select the most appropriate for their specific use and Standard (if applicable).

The Elcometer 4340 range of Motorised Film Applicators comes as one universal base with user selectable head attachments - allowing the flexibility to test using standard film applicators (filmographs), spiral bar coaters or using the combined attachment of both the film applicator and spiral bar attachment. For a complete range of film applicators and spiral bar coaters etc.

Each table is engineered to the highest flatness rating (up to five times flatter than glass), and can be supplied in a number of variations to meet your specific test requirements, simply select the model from the Technical Specification below.

Technical Specification

C

Part Number	Test Chart Clip	Standard Table	Perforated Vacuum Table ¹	Single Channel Vacuum Table ¹	Double Channel Vacuum Table ¹	High Speed	Water Heated Temperature ² +15 to 100°C (59 to 212°F)	Electrically Heated Ambient to 200°C (Ambient to 392°F)	Certificate
K4340M10-	■	■							○
K4340M13-	■	■				■			○
K4340M11-	■	■					■		○
K4340M12- ⁴	■	■						■	○
K4340M100	■		■						○
K4340M130	■		■			■			○
K4340M101	■			■					○
K4340M102	■				■				○
K4340M110	■		■				■		○
K4340M111	■			■			■		○
K4340M112	■				■		■		○
K4340M120 ⁴	■		■					■	○
K4340M121 ⁴	■			■				■	○
K4340M122 ⁴	■				■			■	○

Dimensions	780 x 490 x 320mm (30.7 x 19.3 x 12.6")									
Table Dimensions ⁵	600 x 305mm (23.6 x 12") ³ / 521.75 x 305mm (20.5 x 12")							Weight	29kg (64lb)	
Packing List	Elcometer 4340 Film Applicator, 3x mains leads (UK, EUR & US) and operating instructions									

Motorised Film Applicator Attachments

Models		
M10-, M13-, M100, M101, M102, M130	M11-, M12-, M110, M111, M112, M120, M121, M122	
KT004340N001	KT004340N101	Film Applicator Attachment
KT004340N002	KT004340N102	Spiral Bar Coater Attachment*
KT004340N003	KT004340N103	Combined Film Applicator & Spiral Bar Coater Attachment*

¹ Vacuum Pump supplied separately

² Supplied ready to be fitted with a temperature bath. Temperature bath is not supplied

³ Table dimension size only applies to part numbers K4340M10- & K4340M13-

⁴ For 110V unit, add D to end of part number, e.g. K4340M120D

⁵ Excluding run-off tray

* Each Spiral Bar Coater Attachment is supplied with a rubber mat

○ Optional Calibration Certificate available.

Elcometer 4350

Non-Slip Rubber Mat

A non-slip rubber mat designed to minimise surface defects. Suitable for use with the Elcometer Spiral Bar Coaters and the Elcometer 4340 Motorised Film Applicators.



Technical Specification

Part Number	Description	Depth		Dimensions	
		mm	inches	mm	inches
KT004350P051	Elcometer 4350/51 Non-Slip Rubber Mat	5	0.2"	510 x 140	20 x 5.5
KT004350P052	Elcometer 4350/52 Non-Slip Rubber Mat	5	0.2"	510 x 250	20 x 9.8



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