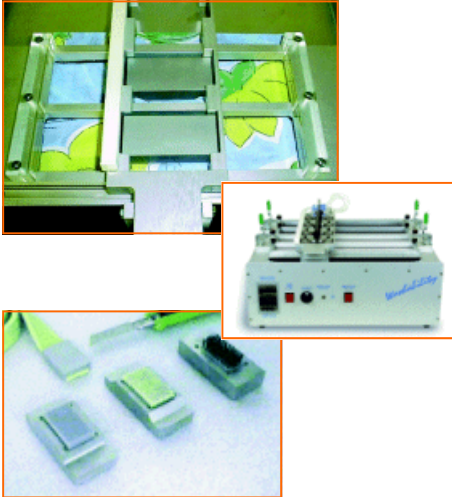


# Elcometer 1720/5 Spongeability & Washability Tester



Elcometer 1720/5 Spongeability & Washability Tester

**At a glance**

- *Sturdy construction for testing the spongeability and washability of wallpaper*
- *Can be used with all tools available with the Elcometer 1720 Abrasion Tester*

**Elcometer 1720/5 Spongeability & Washability Tester**

This version of the Elcometer 1720 is adapted for the spongeability and washability of wall coverings (papers), in accordance with the EN 233 Standard.

The test consists of scrubbing the sample with a tool under defined conditions.

The Elcometer 1720 EN 233 is identical to the Elcometer 1720 Abrasion, Scrubbing and Washability Tester, with the exception of the following:

- Variable Speed Mode – the operator can select a speed from 30 to 120 cycles per minute. (1 cycle = 1 motion back and forth of the carriage)
- Special Accessory (abrasive tool not included)
- 1 or 2 Specimen fastening frames are supplied, for the 2 station and 4 station models respectively, instead of the standard aluminium frame, with double room of 290 x 140mm (11.4 x 5.5”).

The fixed speed mode of 37 cycles per minute and the variable stroke length remain the same as in the Elcometer 1720 Abrasion, Scrubbing and Washability Tester, the Elcometer 1720 EN 233 can perform the tests according to ASTM, DIN, ISO, EN tests.

All abrasive tools listed for the Elcometer 1720 Abrasion, Scrubbing and Washability Tester can be used.

**Washability, Brushability and Abrasion Testers**

Improved mechanical resistance is part of today's quality requirements. One important criteria for assessing this feature is abrasion resistance. Depending on the nature and purpose of the product, various testing methods are available.

There are testing methods are related to the “abrasion by friction” concept. Others are based on the projection of abrasive particles on to the test specimen. These techniques provide valuable information about materials and processes.

To meet industry's growing needs for research and control, Elcometer develops, manufactures and supplies a range of instruments designed for wear resistance tests. Standardised or conventional, these tests are widely used for numerous applications.

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 1720/5	EN233 Spongeability and Washability Tester - 2 Station	K0001720M005		K0US1720M005
Elcometer 1720/6	EN233 Spongeability and Washability Tester - 4 Station	K0001720M006		K0US1720M006
<b>Accessories</b>	EN233/C3.2-A sponge - aluminium support - 100g	K0001720N006		
	EN233/C3.2-B stainless steel - felt support - 550g	K0001720N007		
	EN233/C3.2-C brush-s/steel support - 600g	K0001720N008		
	Sponge Only (2 m roll / 6.5')	KT001720P067		
	Felt Only (2 m roll / 6.5')	KT001720P068		
	Brush Only	KT001720P069		

**As with the Elcometer 1720, the Elcometer 1720/5 can undertake tests according to a wide range of different standards or test methods, by simply changing the abrasive tools.**

**Tool 1: DIN 53778** (replaced by EN ISO DIN 11998 in Dec 2001)

Wild boar hair brush and stainless steel brush holder, standardised mass: 250g (8.8oz)

**Tool 2: ASTM D2486**

Nylon bristle brush and stainless steel brush holder, standardised mass: 454g (16oz)

**Tool 3: ASTM D4213-92 / D4828**

Sponge and stainless steel brush holder, standardised mass: 500g (17.6oz)

**Tool 4: ASTM D3450**

Sponge and stainless steel brush holder, standardised mass: 750g (26.5oz)

**Tool 5: ASTM D4213-96**

Sponge and stainless steel brush holder, adapted mass: 232g (8.2oz) and sponge (with 2 integrated abrasive pads – one on each side)

**Tool 6: EN ISO DIN 11998**

Aluminium holder, standardised mass: 135g (4.8oz), and abrasive pad

**Tool 7: Polyvalent Holder**

Stainless Steel holder, fitted with a fastening screw to fix abrasive textile or paper, and other similar materials as well. mass: 454g (16oz)

**Tool 8: Renault D45 1010, ISO 105X12, ASTM F1319**

Also known as the “Crockmeter”, specially designed for testing colour fastness of fabrics. Assembly including adapter, removable stainless steel cylindrical rod (200g / 7.0oz), test felt or textile fixing ring and a set of additional weights: 3 x 100g (3.5oz); 1 x 500g (16.6oz)

**Tool 9: GME 60269**

Tool for testing the resistance to abrasion of automotive components – similar to the “Crockmeter” but holding a felt disc of 10mm (0.4”) diameter and 10mm (0.4”) thick, working under a mass of 400g (14.1oz)

**Tool 10: EN 60730 (resistance to markings)**

Assembly for testing the quality of markings or similar coatings. A felt rubs the test surface over a length of 30mm (1.2”), under standardised time, speed and load conditions. The assembly is screwed into the carriage. Comes complete with a height adjustable arm fastening the felt disc, a rod for holding the weights, and a combination of weights allowing the test load to be varied between 150 - 1700g (5.3 - 60oz) in 50g (1.8oz) steps.

Accessories		
Tool No 1: DIN 53778 – Wild Boar Brush & Holder		KT001720P003
Tool No 2: ASTM D2486 - Nylon Brush, Holder & Mass		KT001720P030
Tool No 3: ASTM D4213-92/4828 – Sponge, Holder & Mass		KT001720P005
Tool No 4: ASTM D3450 – Sponge, Holder & Mass		KT001720P073
Tool No 5: ASTM D4213-96 – Sponge/Abrasive, Holder & Integrated Mass		KT001720P029
Tool No 6: ISO 11998 – 5 x Abrasive Pad & Holder		KT001720P036
Tool No 7: Polyvalent Holder with fastening screw		KT001720P207
Tool No 8: “Crockmeter” Renault D45 1010, ISO 105X12, ASTM F1319		KT001720P074
Tool No 9: GME 60269 – Abrasion for automotive components kit		KT001720P075
Tool No 10: EN 60730 Resistance to Markings Accessories kit		KT001720N003

## Related products



Elcometer 1720

This robust and easy to use Abrasion Tester is extremely flexible and is designed to test the washability, brushability and abrasion resistance of a wide range of materials, including paint, lacquers, inks, coatings and much much more. Unlike most washability testers, this unit is easy to set up and is available as either a 2 or 4 station model and can measure on flat or curved surfaces.



Elcometer Taber 5130

Often referred to as the industry standard the Taber rotary abrasers are written in to many standards throughout the world in many different industries. A sample of the product is positioned onto a rotating table and the user's choice of abrading wheels then apply the unique 'tearing' or abrasion pattern.



Elcometer Taber 5700

This linear abraser uses a free floating head to follow the contours of the sample under test - making it an ideal choice for abrasion testing of any curved surface.

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