

Elcometer 1720 Spongeability and Washability Testers



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At a glance:

Robust and reliable instruments

Tools available to test in accordance with EN 233 and EN 12956

2 and 4 station models available

Variable and fixed speed modes

This version of the Elcometer 1720 is adapted for testing the spongeability and washability of paper wall coverings in accordance with EN 233 & EN 12956 Standards.

The test consists of scrubbing the sample with a tool under defined conditions. Three specific tools are available for use with the Elcometer 1720 Spongeability and Washability Tester to work in accordance with the Standards.

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 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.

- **Robust and durable design:**
Made from anodised aluminium instruments are steady under test allowing repeatable results, even at the fastest stroke speed
- **Wide range of tools:**
Interchangeable tools available to test in accordance with EN 233 & EN 12956
- **Available with 2 or 4 stations:**
Test up to 4 samples simultaneously.
- **Speed Cycles:**
Speed cycles can be adjusted from 10 to 120 cycles per minute
- **Adjustable stroke length:**
Stroke length can be easily adjusted using the tools supplied from 10 to 140mm (0.4 to 5.5")
- **Multi-lingual digital display:**
Available in 19 languages, the multi-lingual digital display allows easy, accurate speed variation and simple reporting

Can be used in accordance with:	
EN 233	EN 233/C3.2-B
EN 233/C3.2-A	EN 233/C3.2-C
EN 12956	

- **Wet and Dry**
 - All stations can be tested wet or dry
 - Samples can be tested under wet and / or dry conditions simultaneously
- **User Adjustable**
 - Stroke length can be quickly and easily changed by the user to meet their specific requirements between 10 – 140mm (0.4 to 5.5")
 - Carriage speed can be adjusted between 10 and 120 cycles per minute
 - All models available with 2 or 4 stations
- **Interchangeable Tools**
 - Quick and easy tool change

TECHNICAL SPECIFICATION	
Stroke Length	10mm to 140mm (0.4" to 5.5")
Carriage Speed	10 cyc./min to 120 cyc./min
Maximum Number of Cycles	32760
Operating Voltage	UK: 230 V AC; 0.3 A; 50 Hz, EUR: 230 V AC; 0.3 A; 50 Hz, US: 120 V AC; 0.6 A; 60 Hz
Power Consumption	70W
Number of Phases	1
Fuse Rating (machine)	1 x T2AH250V
Dimensions	550mm x 460mm x 320mm (21.7" x 18.1" x 12.6")
Weight	2 Station: 31.5kg (70lb) 4 Station: 33kg (73lb)
Operating Temperature (ambient air)	+5°C to +40°C (41°F to 104°F)
Part Numbers	K1720M402 Elcometer 1720 Spongeability & Washability Tester, 2 Station (110 - 240V)
	K1720M404 Elcometer 1720 Spongeability & Washability Tester, 4 Station (110 - 240V)
Packing List	K1720M402: Elcometer 1720 Abrasion Tester, 250µm (10mil) metal strip for ASTM D2486 Standard, Sample Drip Tray, Glass Sheet, Specimen Holding Frame, Liquid Dosing Bottle, Liquid Delivery Pipe, Liquid Drain Pipe (x2), Set of 3 Tools for instrument set up, Mains Leads (UK, EUR and US) and Operating Instructions
	K1720M404: Elcometer 1720 Abrasion Tester, 250µm (10mil) metal strip for ASTM D2486 Standard, Sample Drip Tray, Glass Sheet (x2), Specimen Holding Frame (x2), Liquid Dosing Bottle, Liquid Delivery Pipe, Liquid Drain Pipe (x2), Set of 3 Tools for instrument set up, Mains Leads (UK, EUR and US) and Operating Instructions
Tools are not supplied as standard with the Elcometer 1720 and must be ordered separately. Please select the tools required from the following page.	

Elcometer 1720 Tools

ELCOMETER 1720 SPONGEABILITY & WASHABILITY TOOLS	
Part Number	Description
KT001720N006	Tool ST1. Sponge with Aluminium Head (100g) Can be used in accordance with: EN 233/C3.2-A:1989, EN 12956 Sponge with aluminium head and 100g (3.5oz) mass
KT001720N007	Tool ST2. Felt with Stainless Steel Head (550g) Can be used in accordance with: EN 233/C3.2-B:1989, EN 12956 Felt with stainless steel head and 550g (19.4oz) mass
KT001720N008	Tool ST3. Brush with Stainless Steel Head (600g) Can be used in accordance with: EN 233/C3.2-C:1989 Brush with stainless steel head and 600g (21.2oz) mass
KT001720N208	Tool ST4. Brush with Stainless Steel Head (600g) Can be used in accordance with: EN 12956 Brush with stainless steel head and 600g (21.2oz) mass

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Accessories for Tools

Part Number	Description
KT001720P067	2m Sponge Roll for Tool ST1
KT001720P068	2m Felt Roll for Tool ST2
KT001720P069	Brush for Tool ST3
KT001720P269	Brush for Tool ST4

Spares / Accessories

Part Number	Description
KT001720P214	Glass Plate, 478 x 165mm
KT001720P042	Channel Clamp
KT001720P038	Peristaltic Pump Tube
KT001720P039	Hexagonal Wrench (for instrument set up)
KT001720P040	T-Bar (for instrument set up)
KT001720P041	Screwdriver (for instruments set up)

Related Products



Elcometer 1720 Abrasion & Washability Testers:
These robust, reliable and extremely versatile machines have been designed for testing the abrasion, washability, brushability and resistance of a wide range of materials including paint, lacquers, inks, coatings, leather, wood, plastics, printed material, fabrics, etc.