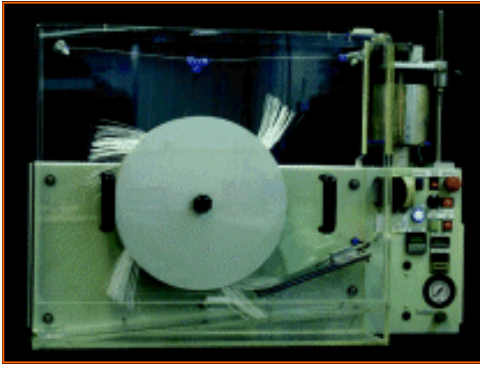


Elcometer 1730 Car Wash Simulator



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This simulator is used to characterise the resistance of coatings against the action of rotating brushes.

During the test, a coated test sample is continuously wetted with a mixture of detergent, water and abrasive powder (alumina) while being attacked by a rotating car wash brush. The superficial damage after a number of rotations is evaluated by measuring the loss of gloss.

The "Car Wash Simulator" meets the specifications of the test methods developed by Renault, and Peugeot-Citroën.

At a glance

- Measure resistance of coatings against the action of brushes.
- Damage measured by measuring the loss of gloss.
- Meets specifications of test methods of Renault and Peugeot-Citroën.

- **Corrosive resistant material:**
Only Plexiglas and anodised aluminium and stainless steel are used for the construction of the test chamber.
- **Easy access to all parts:**
The front window can be removed which gives easy access to the test panel holder, the brush and the inside of the test chamber for cleaning.
- **Front window removal protection:**
Removal of the front window from the apparatus stops the brush rotation automatically.
- **Inclined bottom:**
Allows quick removal of the used detergent.
- **Stirring paddles positioning system:**
The detergent / alumina mixture is stirred by paddles at 100rpm (adjustable) The height of the paddles can be changed.
- **Cleaning system:**
Two sprinklers are positioned at the top of the chamber to spray demineralised water to clean the brush and the inside of the test chamber.
- **Downwards-directed abrasive solution flow:**
At each point of its path the abrasive solution flow is directed downwards, preventing the alumina from settling.

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.

- *The brush fibres adapter:*
A holder for three bundles of fibres. Preparing the brushes is as easy as 1, 2, 3. There are three basic actions: bundling the fibres, inserting the bundle in the adapter, cutting the fibres to length. By using this adaptor a lot of time is saved.
- *Adaptable:*
The brush filaments can be replaced by other types of material for simulating various washing techniques

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 1730	Elcometer 1730 Car Wash Simulator	K0001730M002		K0US1730M002
Accessories	Slide Support for fibres	KT001730P307A		
	Calibrated tube for the cutting of the fibres	KT001730P601A		
	Fibre fixing collar	KT001730P602		
	Bunch of PSA Fibres ~ 3000 fibres / bunch (length 900mm / 35.4")	KT001730P016		

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.

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