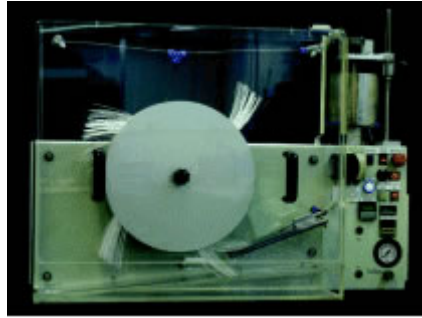


elcometer® 1730 Car Wash Simulator



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.

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

Part Numbers

Model	Description	Part Number
Elcometer 1730	Elcometer 1730 Car Wash Simulator	K0001730M002
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)	KT001730P016

