

Elcometer 1535 Multi Function Scratch Tester



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At a glance

- Multiple testing in one gauge.
- Highly repeatable - ideal for preparing test samples.
- Wide range of accessories.

Elcometer 1535 Multi Function Scratch Tester

During the development of a coating, and when establishing the most appropriate coating for a specific requirement, numerous tests need to be undertaken. Many can be done with the Elcometer 1535

Designed to cut St. Andrew's crosses and parallel or perpendicular scratches, this pneumatic tester is designed to ensure reproducible scratching tests, often performed manually and inconsistently.

Steel specimens are held into place by a magnetic plate measuring 200 x 100mm (7.8 x 3.9"). This plate can be orientated as required and has an adjustable displacement from 10 to 180mm (0.4 to 7.0"). Upon request, this table can be fitted with channels linked to a vacuum pump for holding non-ferrous samples such as plastics and aluminium.

Combining sample position, table orientation, run and the appropriate tool, parallel or crossed scratches of different dimensions are created. The Elcometer 1535 is adaptable to various applications simply by changing the tool and its specific holder. Tools can be quickly changed the fixture ensures that they are perpendicular to the test

Hardness Testers

Improved mechanical resistance is part of many quality requirements. One important criteria for assessing this feature is hardness.

Depending on the requirements there are various methods for testing hardness. Some are dedicated to characterise coatings and others are more suitable for testing bulk materials such as metals, plastics, rubber or elastomers.

Elcometer manufacture and supply a wide range of instrumentation designed for the hardness tests most frequently used in the industry – these include pendulum, scratching, indentation or rebound measuring methods.

Can be used in accordance with:

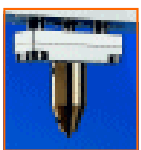
ASTM D 3359	DIN EN ISO NF 2409
DIN 53167	DIN 53799
ISO 4586	



St Andrew's Cross Test

Holder and 1 mm wide DIN cutter. A 0.5mm cutter for preparation of corrosion samples and a special holder for making two scratches without moving the specimen are available.

Cross Hatch Test
Holder and cross-cut test tool of 1-2 or 3mm spacing



Scratch Test

Holder and tool. 1mm, 0.75mm (VDA) and 0.5mm diameters are available.

Coin Test
Scratching support and tool for "resistance to coins tests"



Model	Description	Part Number
Elcometer 1535	Elcometer 1535 Multi Function Scratch Tester	K0UK1535M001
Accessories	Non Magnetic Substrate Vacuum Table	KT001535N007
	Holder for Cross Cut Tool	KT001535N004
	6 x 1mm cross cut tool – 8 cutting surfaces	KT001542P001
	6 x 2mm cross cut tool – 8 cutting surfaces	KT001542P002
	6 x 3mm cross cut tool – 8 cutting surfaces	KT001542P003
	Magnifier x10	KT003025P007
	ASTM Normalised Adhesive – 1 roll	K0001539M001
	ISO Normalised Adhesive	K0001539M002
	VOLVO STD 1029,5472 Adhesive	K0001539M006
	DIN Normalised Brush	KT001546N001
	Holder for Carbide Points (points not included)	KT001535N003
	Carbide Point – 0.5mm	KT003092P001
	Carbide Point – 0.75mm	KT003092P002
	Carbide Point – 1.00mm	KT003092P003
	Holder for Coin Test Tool - 10 Discs	KT001535N005
	Coil Scratch Discs – 100 Discs	KT001538N008
	Tungsten Carbide Negative Cutter - 2 cutting edges -1mm	KT001535N001
	Tungsten Carbide Negative Cutter - 2 cutting edges - 0.5mm	KT001535N002
	Tungsten Carbide Normal Cutter - 2 cutting edges - 1mm	KT001538N001
	Tungsten Carbide Normal Cutter - 2 cutting edges - 0.5mm	KT001538N002
	Tungsten Carbide Positive Cutter - 2 cutting edges - 1mm	KT001535N009
	Tungsten Carbide Positive Cutter - 2 cutting edges - 0.5mm	KT001535N010

Related products



Elcometer 3025

The Elcometer 3025 scratch tester is a motorised device that is used to test the resistance for many materials to scratching in accordance with ISO 4586-2. A diamond tip is applied to a rotating sample and the tip leaves a trace dependant on the load applied.



Elcometer 3092

This simple Sclerometer contains a round tip which is compressed by a spring. The amount of compression on the spring increases the force as the tip is pressed into the coating - by varying the force the user can determine the coating hardness.



Elcometer 107

The coating may be continuous and look good, but how well is it connected to the substrate? The Elcometer 107 cross hatch cutter provides an instant assessment of the quality of the bond to the substrate. Due to its rugged construction this gauge is ideal for thin, thick or tough coatings on flat or curved surfaces. An ideal field or laboratory test.



Elcometer 1542

Simple but effective method for determining the adhesion of a large variety of coatings. The instrument is ideal for testing the adhesion of thin coatings on flat surfaces using the cross cut method, available with three different spacing: 1, 2, and 3mm, corresponding to the thickness of layer to be tested.



Elcometer 1537

A scratching tool for preparing samples for Salt Spray and Cyclical Tests. The Elcometer 1537 has a tungsten carbide blade which is set to give a 90° cutting angle with a 75° cutting edge.



Elcometer 1538

The Elcometer 1538 has interchangeable carbide cutters for the preparation of specimens to be used for Salt Spray and CASS Corrosion Tests. Supplied complete with a 1mm or 0.5mm cutter. A Renault-version of the tool, with optional blade adjustment device, is also available.



Elcometer 1120

The Elcometer 1120 salt spray chamber is designed to perform, with high reproducibility, a large number of standardised or conventional tests in order to determine the resistance to corrosion for a wide range of coatings. These include salt spray, copper acetic salt spray (CASS), cohesion, humidity and cyclic DIN.



Elcometer 1270/1

A tank, measuring 70 x 40 x 40cm (27.5 x 16 x 16"), fitted with a cover, a controlled heating device and a circulation pump, is used to assess the resistance of coatings, notably to blistering, when immersed in water - often referred to as the ford immersion test.

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