elcometer

Elcometer 3000 Motorised Clemen Unit

Can be used in accordance with:
AS/NZS 1580.403.1, BS 3900-E2*, DIN 53799*, ECCA T12***, EN 13523-12, ISO 1518-1:2011, JIS K 5600-5-5**

The Elcometer 3000 Motorised Clemen Unit is a robust and accurate instrument for evaluating the resistance to scratching of a coated surface. The sample can be metal, wood, glass, plastic, or other hard materials. A tool is fitted with a hemispherical tip of 1mm diameter (standard), lowered gradually on to the sample surface which is then pulled linearly 60mm. As the sample is pulled the tool lowers automatically on to the sample, moves along the sample, and gently rises at the end of the stroke.

To ensure consistent, repeatable and reproduceable tests, the Motorized Clemen Unit automatically brings the tool gently in contact with the sample, moves across the coating and then lifts it with the automatic Start/Stop function. Depending on the load applied, varying degrees of penetration of the tool into the coating are observed - from a superficial trace to total destruction. If the coating is completely removed during the test, the contact of the tool with the metallic substrate is indicated by a lamp and voltmeter indicator.

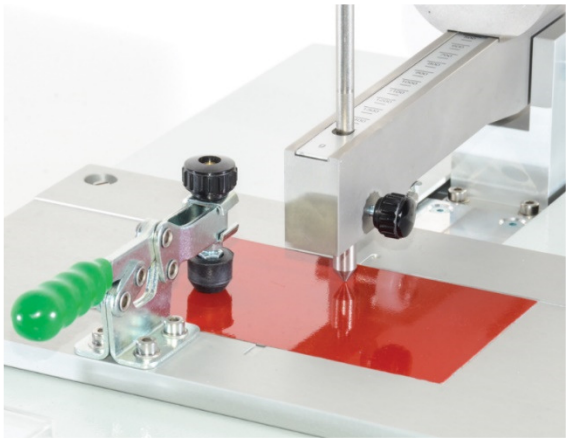
Technical Specifications

Part Number	Description
K3000M003	Elcometer 3000 Motorised Clemen Unit
Load Range	0 - 5kg
Sample Size	75 x 150mm
Sample Thickness	Standard: 0.5 - 3mm | Extended*: 5 - 20mm
Operating Temperature	5 to 40°C
Humidity Range	Not to exceed 80% relative humidity up to 31°C, decreasing linearly to 50% at 40°C
Dimensions & Weight	460 x 280 x 330mm | 20kg

o Optional Calibration Certificate available
* Using the optional Adjustment Kit

Packing List

Elcometer 3000 Motorised Clemen Unit
1kg weight (x4)
Tungsten carbide ball tool
1mm mains leads (UK, EUR and US)
Operating instructions



Accessories

KT003000P021	1mm Ball Tool in Tungsten Carbide
KT003000N001	2mm Cutting Tool in Tungsten Carbide
KT003000N013	VW Cutting Tool
KT003000N015	Adjustment Kit to test from 5 to 20mm
KT007210M001	Illuminated Microscope (x30)
KT003025P007	Magnifier (x10)

* Standards not in bold have been superseded but are still recognised in some industries

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