elcometer®
inspection equipment

Elcometer 3025 Scratch/Shear Tester

The Elcometer 3025 is a motorised device to test the resistance of many materials to scratching, shearing, gouging, marring, scraping and engraving. This portable instrument tests materials up to 12.7mm (½") thick by 101mm (4") square or round.
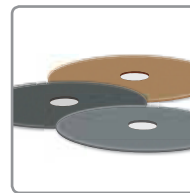
The height of the scale beam is adjusted by the user to match the thickness of the sample. The tool, a conical diamond tip, is then placed on the sample and the instrument is activated by the user with the On/Off switch.

The tip leaves a trace mark and the extent of this, in relation to the load used, indicates the degree of coating or material hardness. The turntable rotates at a constant 5rpm to ensure repeatability and reproducibility of tests. By changing the load on the tool, from 0 - 1000g (0 - 2.2lb), the sample's scratch resistance can be evaluated.

Sample Cutter

The Sample Cutter cuts precise 106mm (4.2") circular samples with a 6.35mm (0.25") centre hole to prepare specimens for use with the Taber® Abrasers.

An easy counter-clockwise cutting motion allows the user to cut a variety of materials. Optional pads allowing cutting thicknesses of 0.03mm (0.001"), 4.74mm (0.187") and 6.35mm (0.25") are available.

STANDARDS:
EN 438-2, ISO 4586-2

Technical Specification

Part Number			Description
UK 240V	EUR 220V	US 110V	
K0UK3025M001	K0003025M001	K0US3025M001	Elcometer 3025 Scratch/Shear Tester
Dimensions	445 x 190 x 150mm (17 x 7.8 x 6")		
Weight	6.8kg (14.9lb)		
Packing List	Elcometer 3025 and operating instructions		

Accessories

Part Number	Description
ST985000	Sample Cutter
ST131569	Sample Cutter Upper Pad – 4.74mm (0.187")
ST131570	Sample Cutter Upper Pad – 6.36mm (0.250")
KT003025P007	Magnifier (x10)

www.elcometer.com

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