

Elcometer 3025 Scratch Shear Tester

Can be used in accordance with
EN 438-2, ISO 4586-2



The Elcometer 3025 is a motorised scratch tester used to test the resistance of many materials to scratching, shearing, gouging, marring, scraping and engraving. This portable instrument tests materials up to 12.7mm thick by 101mm 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, the sample's scratch resistance can be evaluated.

Sample Cutter: The Sample Cutter cuts precise 106mm circular samples with a 6.35mm 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, 4.74mm and 6.35mm are available.

Technical Specifications

Part Number	Description
K0003025M001	Elcometer 3025 Scratch/Shear Tester
Dimensions	445 x 190 x 150mm
Weight	6.8kg

Packing List

Elcometer 3025 Scratch/Shear Tester
Operating Instructions

Accessories

ST985000	Sample cutter
ST131569	Sample Cutter Upper Pad – 4,74mm
ST131570	Sample Cutter Upper Pad – 6,36mm
KT003025P007	Magnifier (x10)

