

Elcometer 3092 Sclerometer Hardness Tester

Can be used in accordance with:
AS 3894.4, EN 438-2, ISO 4586-2



The Elcometer 3092 Sclerometer Hardness Tester measures the hardness of a coating by moving a Tungsten Carbide Tip over the coating with predetermined force.

The body of the hardness testing instrument contains a cursor fitted with a screw lock and a round tip, compressed by one of the four springs corresponding to the four printed scales:

- Grey spring: 0-3N
- Red spring: 0-10N
- Blue spring: 0-20N
- Green spring: 0-30N

The spring force can be set by the “collar”; compressing the spring, increases the force with which the tip is pushed on to the surface of the test piece.

By making short, straight movements while gradually increasing the load, the user can observe the force at which the tip leaves a mark or destroys the coating.

Each Elcometer 3092 Sclerometer Hardness Tester is supplied in a case with a 0.75mm diameter tungsten carbide tip and 3 springs (grey, red and blue). An optional green spring of 0 - 30N is also available.

Technical Specifications

Part Number	Description
K0003092M201	Elcometer 3092 Sclerometer Hardness Testers - 3 ranges
Dimensions	165 x 24 x 16mm
Weight	370g

Packing List

Elcometer 3092 Sclerometer
Tool with 0.75mm diameter tungsten carbide tip
3 springs (grey, red and blue)
Carry Case
Operating Instructions

Accessories

Part Number	Description
KT003092P001	0.5mm Tungsten Carbide Tip
KT003092P002	0.75mm Tungsten Carbide Tip
KT003092P003	1.0mm Tungsten Carbide Tip
KT003092P008	90° Diamond Point Cone, 90µm Radius - ISO Type
KT003092P004	Grey Spring 0 - 3N
KT003092P005	Red Spring 0 - 10N
KT003092P006	Blue Spring 0 - 20N
KT003092P007	Green Spring 0 - 30N
KT003092P001	0.5mm Tungsten Carbide Tip
KT003092P002	0.75mm Tungsten Carbide Tip
KT003092P003	1.0mm Tungsten Carbide Tip
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KT003092P007	Green Spring 0 - 30N

Video



YouTube Video - How to test coating hardness using the Elcometer 3092 Sclerometer Hardness Tester
 (Click on the image to the left to view the video)

A quick and effective way to test coating hardness is the Scratch method, which is completed using a sclerometer, also known as a hardness pen or durotest stylus. So, how does it work?

