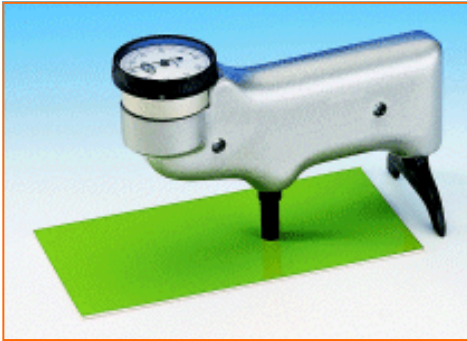


# Elcometer 3101 Barcol Hardness Tester



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## Elcometer 3101 Barcol Hardness Tester

This is a very handy instrument used to check the hardness of many materials including plastics, polyesters, leather, and soft metals.

When pressure is applied to the device, a point penetrates the material and the degree of hardness is displayed on a dial, which is graduated from 0 to 100.

Three versions of the Elcometer 3101 are available.

## 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.

### At a glance

- Ideal gauge that gives you a numerical hardness value based on the penetration of a needle point.
- Large range of accessories allows you to test a wide range of materials.

<b>Can be used in accordance with:</b>	
ASTM B 648	ASTM D 2583
NF P 38-501	

Model	Type	Substrate
Elcometer 3101/1	934/1	Soft metals, hard plastics etc, with conversion table into Brinell, Vickers, & Rockwell B, E, F, H
Elcometer 3101/2	935	Plastics and very soft materials
Elcometer 3101/3	936	Extremely soft materials and fabrics, e.g. leather.

Model	Description	Part Number
Elcometer 3101/1	Elcometer 3101 Barcol Hardness Tester Type 934/1	K0003101M001
Elcometer 3101/2	Elcometer 3101 Barcol Hardness Tester Type 935	K0003101M002
Elcometer 3101/3	Elcometer 3101 Barcol Hardness Tester Type 936	K0003101M003
<b>Accessories</b>	Spare Indenter Point 934-1 935 GYZJ 6-5	KT003101P001
	Control Disc for 934-1 GYZJ 24 (85-87)	KT003101P002
	Control Disc for 934-1 GYZJ 24 (48-43)	KT003101P003

## Related products



Elcometer 3120

A range of instruments used to determine the hardness of soft materials such as rubber, wood, leather, formica, etc. A point or ball penetrates the material under spring pressure with a variable force depending on the model and a direct reading is displayed on the dial.



Elcometer 3095

The buchholz hardness tester is used for measuring the hardness of a coating by indentation of a bevelled disc indenting tool with a sharp edge. The buchholz tester is placed on the coating for 30 seconds and the indentation length is then recorded. The length of the trace is inversely proportional to the hardness.

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