

Elcometer 3101 Barcol Impressor Hardness Tester

Can be used in accordance with:
AS 3894.4, ASTM B 648, ASTM D 2583, NF P38-501*



The Elcometer 3101 Barcol Impressor Hardness Tester is an easy to use hardness tester, ideal for measuring hardness of soft metals, plastics, glass fibre and leather.

Making sure the indenter point is perpendicular to the surface being tested, the instrument is placed onto the sample and a light pressure is exerted against the instrument driving the spring-loaded indenter point into the material and the hardness reading is instantly indicated on the dial. No waiting, pre-loading or separate measurements are required.

There are three models in the range:

- Elcometer 3101/1 Model 934-1: for soft metals such as aluminium and its alloys, brass, copper, and some of the harder plastics and glass fibre. Approximate range 25 to 150 Brinell (10 mm ball, 500 kg load). This unit meets ASTM Standard D2583.
- Elcometer 3101/2 Model 935: for softer plastics and very soft metals.
- Elcometer 3101/3 Model 936: for extremely soft materials such as lead, linoleum and leather.

To ensure the Barcol Hardness Tester is in calibration, a range of Standard Test Discs is available. Please select the appropriate Test Disc from the list of Accessories to supplement the disc supplied.

All results are recorded in Barcol Units (BU).

Technical Specifications

Part Number	Description
K0003101M001 ^a	Elcometer 3101/1 Barcol Hardness Tester Type 934/1 at 25-150 Brinell Hardness
K0003101M002 ^b	Elcometer 3101/2 Barcol Hardness Tester Type 935 at 50-100 Rockwell
K0003101M003 ^c	Elcometer 3101/3 Barcol Hardness Tester Type 936
Dimensions	152 x 106 x 50mm
Weight	900g

^a Supplied with Standard Test Disc 934-1; 43 - 48 BU, Standard Test Disc 934-1; 87 - 89 BU

^b Supplied with Standard Test Disc 935; 87 - 89 BU

^c Supplied with Standard Test Disc 936; 43 - 48 BU

* Standards not in bold have been superseded but are still recognised in some industries

Packing List

Elcometer 3101 Barcol Impressor Hardness Tester

Adjusting spanner

2 x Indenting points

Appropriate standard test Disc

Operating instructions

Accessories

Part Number	Description
KT003101P001	Spare Indenter point for Elcometer 3101/1 and Elcometer 3101/2
KT003101P006	Spare Indenter point for Elcometer 3101/3
KT003101P202	Standard Test Disc 934-1; 87 - 89 BU
KT003101P002	Certified Test Disc 934-1; 87 - 89 BU (Pack of 5)
KT003101P203	Standard Test Disc 934-1; 43 - 48 BU
KT003101P003	Certified Test Disc 934-1; 43 - 48 BU (Pack of 5)
KT003101P204	Standard Test Disc 935; 87 - 89 BU
KT003101P004	Certified Test Disc 935; 87 - 89 BU (Pack of 5)
KT003101P205	Standard Test Disc 936; 43 - 48 BU
KT003101P005	Certified Test Disc 936; 43 - 48 BU (Pack of 5)

