

Elcometer 3101 Barcol Impressor Hardness Tester

These easy to use hardness testers are ideal for testing the hardness of soft metals, plastics, fibreglass and leather.

Making sure the indenter point is perpendicular to the surface being tested, the instrument is placed on to the sample and a light pressure is exerted against the instrument driving the spring-loaded indenter point into the material. The hardness reading is instantly indicated on the dial.

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 fibreglass. 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 number of Standard Test Discs are available. Please select the appropriate Test Disc from the list of Accessories below to supplement the disc supplied.

All results are recorded in Barcol Units (BU).



STANDARDS:

AS 3894.4, ASTM B 648, ASTM D 2583, NF P38-501

Elcometer 3101 Barcol Impressor Hardness Tester

Technical Specification

| 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 (6 x 4 x 2") |
| Weight | 900g (2lb) |
| Packing List | Elcometer 3101, adjusting spanner, 2 x indenting points, appropriate standard test disc and 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; (x1) 87 - 89 BU |
| KT003101P002 | Certified Test Disc 934-1; (x5) 87 - 89 BU |
| KT003101P203 | Standard Test Disc 934-1; (x1) 43 - 48 BU |
| KT003101P003 | Certified Test Disc 934-1; (x5) 43 - 48 BU |
| KT003101P204 | Standard Test Disc 935; (x1) 87 - 89 BU |
| KT003101P004 | Certified Test Disc 935; (x5) 87 - 89 BU |
| KT003101P205 | Standard Test Disc 936; (x1) 43 - 48 BU |
| KT003101P005 | Certified Test Disc 936; (x5) 43 - 48 BU |

^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

○ Optional Calibration Certificate available.