



# VERTEX

## BARCOL HARDNESS TESTER



Barcol Impressor is smart and portable. It can be used by single hand operation, no operating experience required, can test any workpiece which is reachable in any site. Barcol Impressor has following features: Wide valid testing range equivalent to Brinell hardness 25-150HBW. Used to test the hardness of all kinds of Aluminum, from very soft Aluminum to very hard Aluminum alloys. Extended application. Model 934-1 is applied to test the hardness of Aluminum, Aluminum alloys, Copper, Copper alloys, Fiber Reinforced Plastics, Fiberglass, Resins and Rigid plastics, Quartz etc.

### APPLICATION:

Barcol Hardness Tester or Barcol Impressor is a kind of indentation hardness tester. Model 934-1 is the typical model which is in widest application. Barcol Impressor is mainly applied in two areas: One is Aluminum fabrication industry, to test pure Aluminum, soft Aluminum alloys, thick Aluminum alloys, Aluminum belts, and Aluminum alloys extrusions, bars, castings, forgings and assembled Aluminum alloys parts (e.g. al-alloy door & window, curtainwall etc.) Relevant standard is American standard ASTM B648-00 (Test Method for Indentation Hardness of Aluminum Alloys by Means of a Barcol Impressor); the other is Fiber Reinforced Plastics industry, most domestic and abroad Fiber Reinforced Plastics products are required to test Barcol hardness. Relevant Standard is American standard ASTM D2583-07 (Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor) as a measuring instrument, Barcol Impressor has its relevant verification regulation JJG-1989 (Barcol Impressor). This regulation is used for verification of Barcol Impressor newly manufactured, under used and after maintenance.



## FEATURES:

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## SPECIFICATION:

<b>Hardness Range</b>	0-100 HBa
<b>Least Count</b>	1 HBa / (Optional) 0.5 HBa
<b>Dimensions</b>	14 X 4.9 X 9 CM
<b>Dimension of Case (LXWXH)</b>	25 X 22 X 7 CM
<b>Impressor Weight</b>	450 gm
<b>Carrying Case with Accessories Weight</b>	1 Kg
<b>Standard Compliance</b>	ASTM D2583, ASTM B648, IS:13360-5-14 (2001) NFP-38-501, BS-2782

## STANDARD ACCESSORIES:

Adjusting spanner	1 No.
Standard Test Disc	2 Nos.
Support Leg	1 No.
Operation Manual	1 No.
Indenter	1 No.
Allen Key 2.5mm	1 No.
Plastic Carrying case	1 No.
Calibration Certificate	1 No
Warranty Certificate	1 No.

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