



**MODEL : 934-1**

# BARCOL HARDNESS TESTER



Manufactured by:  
Vertex Engineers & Associates

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## 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, curtain wall 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 JIG-1989 (Barcol Impressor). This regulation is used for verification of Barcol Impressor newly manufactured, under used and after maintenance.

## Features:

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 and rigid plastics etc. Featured with 100 graduation scale, much more sensitive than Webster hardness testers applied in Aluminum alloys industry. No supporting required. Can test from only one side of the workpiece. No need to move or support the workpiece. Used to test super large and thick workpieces and assembly parts. Easy conversion. The test results can be converted to HB, HR, HV and HW easily through conversion table.

## Technical Specification:

<b>Hardness Range</b>	0 – 100 HBa	<b>Least Count</b>	1 HBa
<b>Dimensions (LXWXH)</b>	14 X 4.9 X 9 cm	<b>Impressor Weight</b>	450 gms
<b>Dimension of case (LXWXH)</b>	25 X 22 X 7 cm	<b>Carrying case with accessories weight</b>	1 Kg.

## Standard Compliance:

<b>ASTM-D-2583</b>	<b>ASTM-B-648</b>	<b>NFP-38-501</b>	<b>BS-2782</b>
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## Standard accessories:

<b>Adjusting spanner</b>	1 No.	<b>Indenter</b>	1 No.
<b>Standard Test Plate</b>	2 Nos.	<b>Allen Key 2.5mm</b>	1 No.
<b>Support Leg</b>	1 No.	<b>Plastic Carrying case</b>	1 No.
<b>Operation Manual</b>	1 No.	<b>Warranty certificate</b>	1 No.
<b>Calibration Certificate</b>	1 No.		