

934-1 SERIES

BARCOL IMPRESSOR

TX TESTING INSTRUMENTS

APPLICATION

- 934-1 Barcol Impressor is mainly applied to test aluminum and aluminum alloys. It is suitable to test pure aluminum, aluminum alloys, thick pieces of aluminum sheets, thick pieces, bars and assembled aluminum alloys parts (e.g. aluminum alloy doors, windows and ladders)
- 934-1 Barcol Impressor is also used to test fiber reinforced plastics and hard plastics.
- 934-1 Barcol Impressor complies with ASTM B648-00 Test Method for Indentation Hardness of Aluminum Alloys by Means of a Barcol Impressor.
- 935 Barcol Impressor is used to test soft plastics, lead, tin and other soft metals.
- 936 Barcol Impressor is used to test rubber, wood and leather etc.



934-1

FEATURES

- **Easy to Use:** Single hand operation; easy to use; high efficiency; able to make test at any site.
- **High Sensitivity:** Barcol Impressor has 100 graduations. Its sensitivity is much higher than the Webster hardness tester.
- **Wide Testing Range:** Used to test from very soft pure aluminum to very hard aluminum alloys.
- **Less Thickness Requirement:** It can test on any workpieces with thickness greater than 0.8 mm.
- **No Supporting Required:** It can test from only one side of the workpiece. It is unnecessary to move or support the workpiece. It is used to test very large and thick workpieces and assembly parts.
- **Easy Conversion:** The test results can be converted to HB, HR, HV and HW easily through the conversion table.
- **High Quality Indenter:** The indenter has very high hardness, long service life and good interchangeability.

TECHNICAL PARAMETERS

Testing Range:	0 – 100 HBa (equivalent to 25 – 135 HBW)
Resolution:	0.5 HBa
Indication Error:	± 2 HBa (42 – 48 HBa) ± 1 HBa (81 – 88 HBa)
Repeatability Error:	± 2 HBa (42 – 48 HBa) ± 1 HBa (81 – 88 HBa)
Weight:	0.5 kg

STANDARD ASSEMBLY

Tester
2 Spare indenters
Standard hardness block (high)
Standard hardness block (low)
Calibration wrench
Leg
Carrying case

OPTIONAL ACCESSORIES

Spare indenters
Standard hardness block (high / low)
Dial glass
Flat leg

In 2006, we purchased this HRBS-150 standard Rockwell hardness tester of which comprehensive error is within 0.4HR. We perform regular calibration by using Rockwell and superficial Rockwell standard test blocks certificated with national secondary benchmark Rockwell hardness tester owned by NIM (National Institute of Metrology).

Each Rockwell, superficial Rockwell and Webster hardness test block and each diamond and ball indenter supplied by our company is inspected with this standard Rockwell hardness tester. Non-conforming product will be rejected.

The test blocks supplied by our company are traceable to national secondary benchmark through calibration by this standard Rockwell hardness tester, so that the accuracy of the hardness testers manufactured by our company is reliably assured and supervised.



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