

# Portable Barcol Durometer

## BD Series

### + Introduction

- BD-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).
- BD-1 Barcol Impressor is also used to test fiber reinforced plastics and hard plastics.
- BD-1 Barcol Impressor complies with ASTM B648 test Method for Indentation Hardness of Aluminum Alloys by means of a Barcol Impressor.
- BD-1 Barcol Impressor is used to test soft plastics, lead, tin and other soft metals.

### + 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 0.8mm.
- **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, HRC, HV and HBW easily through the conversion table.
- **High Quality Indenter:** The indenter has very high hardness, long service life and good interchangeability.

### + Specifications

Product Name	Portable Barcol Durometer		
Model	BD-934	BD-935	BD-936
Code#	872-113	872-123	872-133
Indenter	26°panhead cone, head face diameter 0.176mm		
Measuring Range	0~100HBa (equivalent to 25~145HBW)		
Resolution	0.5HBa		
Indication Error	hardness range 42~48HBa, ±2HBa		
	hardness range 81~88HBa ±1HBa		
Repeatability Error	hardness range 42~48HBa, ±2HBa		
	hardness range 81~88HBa ±1HBa		
Net Weight	0.5kg		

