

Webster Type Portable Hardness Tester

The WEBSTER Hardness Testers are portable instruments that can perform on-site hardness testing on aluminium alloys, brass, copper and soft steel. A quick and easy test, the hardness value can be read out directly from the indicator with a simple clamp. Suitable for testing aluminium alloy profiles, tubings and sheet materials. Especially suitable for fast, non destructive quality inspection on the production site.

Features

- One hand operation and portability
- Variety of anvils permits testing a great variance of shapes
- Simple operation permits readings independent of the operator's skill
- Test is made by simply applying pressure to the handles until "bottom" is felt
- Easy-to-read dial indicator with 20 graduations permits use of the tester as "go" and "no-go" gauge
- Standard hardness gauge tests materials up to 13mm in thickness



TECHNICAL SPECIFICATION

Measuring Scope	0-20HW
Accuracy	0.5HW
Net Weight	0.5kg
Package Gross Weight	1.55kg
Package Dimensions	330mm×255mm×150mm

WEBSTER TYPE HARDNESS TESTER

Code No	Material	Hardness Range	Workpiece Thickness (mm)	Workpiece Inner Diameter (mm)
W-WH100	Aluminium alloy	25-110HRE 58-131HV	Max. 6	Min. 10
W-WH110	Aluminium alloy	25-110HRE 58-131HV	Max. 13	Min. 10
W-WH120	Aluminium alloy	25-110HRE 58-131HV	Max. 8	Min. 6
W-WH130	Brass in hard/half hard state super-hard Aluminium alloy	63-105HRF	Max. 6	Min. 10
W-WH140	Brass in hard/half hard state super-hard Aluminium alloy	63-105HRF	Max. 8	Min. 6
W-WH150	Soft Brass, pure Copper	18-100HRE	Max. 6	Min. 10
W-WH160	Soft Brass, pure Copper	18-100HRE	Max. 8	Min. 6
W-WH170	Cold-rolled steel sheet, stainless steel	48-100HRB	Max. 8	Min. 6

Portable Brinell Hardness Tester

The **HB1500** Portable Brinell Hardness Tester is designed following the Brinell hardness test method. The test force is controlled by a shear pin. After reading the diameter of the indentation with the reading microscope, the brinell hardness number can be obtained.

Features

- Solid framework
- Easy to operate
- Tolerance is controlled by a shear pin
- Three types of application: bench, C clamp and hammer impact
- Suitable for assemblies inconvenient to be taken to the lab and not allowed to be cut
- Accuracy is much higher than any other type hammer impact tester
- Used to test the hardness of forgings, castings, steels, nonferrous metal and its alloy products, and to test the hardness of annealed, normalizing and tempered mechanical parts



PORTABLE BRINELL HARDNESS TESTER

Code No	Description
W-HB1500	Brinell Hardness Tester