



## WEBSTER DUROMETER W-B75/BB75

W-B75/BB75 Series Webster Hardness Tester for copper alloys is a portable instrument which can perform on-site hardness testing on copper and copper alloys. By a quick and easy test, the hardness value can be read out directly with a simple clamp.

W— B75/BB75 is also suitable for testing on profiles, tubing and sheets. During the test no sampling is needed and it cannot damage the work pieces, especially suitable for a fast and nondestructive qualification inspection of the product hardness on the spot of production, sales and construction.



W-B75 series Webster hardness tester is used for testing the hard brass and super-hard aluminum alloy materials.

W-BB75 series Webster hardness tester is used for testing annealed brass and red copper materials.

W - B75b, W - type BB75b instruments are special tubule instrument of W - B75 and W - type BB75, instrument anvil block is reduce to  $\Phi 5.8$  mm, can test of over 6 mm inner diameter tube.



## FEATURES

---

- **Indenter**  
Re-engineered with advanced material and new production technology manufactured, higher hardness, long service life, good interchangeability.
- **Indicator Hand**  
High strength indicator hand less likely to be bent by long-term using or mis-operation.
- **Dial Glass**  
High strength, high toughness, uneasy to be broken or scratched.
- **Handle**  
Forged aluminum alloy handle with fine anodized finishing, high resistance to abraision and stain.
- **Hardness Blocks**  
Tested by standard Rockwell hardness tester, the hardness block is attached with test report.
- **Stability**  
Stable full scale point, stable calibration point, indicator never glides.
- **Conversion**  
Results can be converted to Vickers, Rockwell and Brinell.



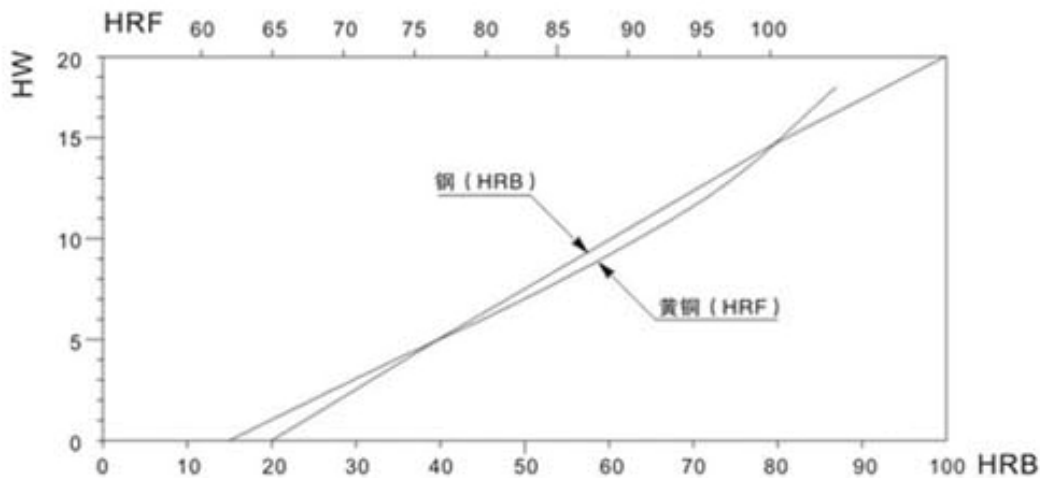
## USAGE

---

- Used to check the effect of heat treatment and determine if the mechanical property of the work piece is qualified.
- Used to ascertain if the work piece is made and processed by improper alloys.
- Used for testing the work pieces with overlength, overweight or assemblies inconvenient to be sent to the labs.
- Used to distinguish the material hardness levels and to decide the heat treatment state of materials such as annealed, 1/8 hard, 1/4 hard, 1/2 hard or full hard etc.

## HARDNESS CONVERSION GRAPH

---





## TECHNICAL SPECIFICATION

Model	W-B75	W-B75B	W-BB75	W-BB75B
Test Range/Diameter(mm)	Thickness:0.4 ~ 6mm, inner diameter≥10mm	Thickness : 0.4 ~6mm, inner diameter≥6mm	Thickness : 0.4 ~6mm, inner diameter≥10mm	Thickness : 0.4 ~6mm, innerdiameter≥6 mm
Measuring Scope	0~20HW			
Indication Error	0.5HW(5~17HW)			
Repeatability Error	0.5HW(5~17HW)			
Net Weight (kg)	0.5			
Gross Weight (kg)	1.1			
Packing Dimension	280×230×80			
Hardness Range	63~105HRF		18~100HRE	
Application Range	Brass		Copper	

## SCOPE OF SUPPLY

Product Name	Product Name
Instrument Main Body	Small screwdriver
Correction wrench	Spare indenter
Webster hardness block	Instrument box