



Webster Hardness Tester



Video



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Product Features and Application

Product Features

- Lightweight and Portable: With its small size and light weight (only 0.5KG), it is easy to carry and suitable for on-site testing;
- Easy to Operate: Place the sample between the anvil and indenter, press down the handle to read the value, and there are minimal requirements for operators;
- Non-destructive Testing: The testing process does not damage the workpiece, allowing direct testing of finished or semi-finished products;
- Measurement Range and Accuracy: The measurement range is 0-20HW with an accuracy of 0.5HW, meeting the hardness measurement needs of various materials;



Product Application

- Widely used in the aluminum alloy industry for inspecting heat treatment effects, assisting in determining material composition, and monitoring production processes;
- In the copper alloy industry, it is used for material classification and screening, as well as processing technology optimization;
- Applied in the steel industry for quality inspection, performance research, and other fields such as scientific research, small component testing, and on-site testing services.



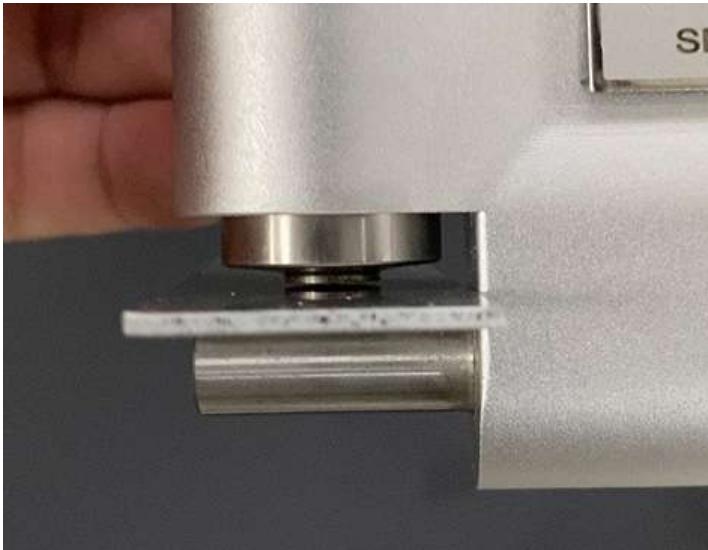
Instrument Structure



**1. Frame 2. Support Screw
6. Indenter Cylinder**

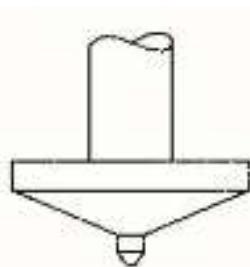
**3. Lower Handle 4. Adjusting Screw 5. Gauge Head
7. Anvil**

Instrumentation

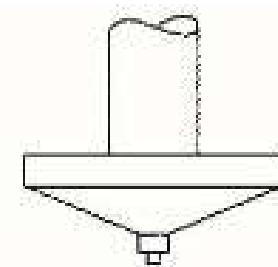


- Suitable for materials with two parallel surfaces, such as tubing, plate materials, and profiles;
- Easy to operate—just one clamp is needed, and the hardness value can be directly read out, allowing users to conveniently view operational details;
- No sampling required, and minimal operational skill is needed, enabling quick and convenient testing; During testing, place the specimen between the anvil and indenter, press down the handle until it feels fully compressed, and then directly read the hardness value from the gauge head;

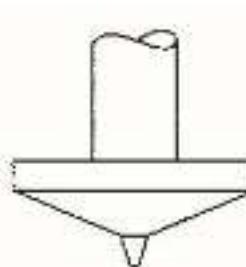
The indenters of different models of the Webster hardness tester vary:



iWeb-20



iWeb-B75/iWeb-BB75



iWeb-B92



Technical Parameters

- **Range: 0-20HW**
- **Accuracy: 0.5HW**
- **Instrument Weight: 0.5KG**

Model	Applicable Materials	Hardness Range
iWeb-20		25~110 HRE
iWeb-20a	Aluminum Alloy	58~131 HV
iWeb-20b		
iWeb-B75	Hard or Semi-hard Brass,	63~105 HRE
iWeb-B75b	Ultra-hard Aluminum Alloy	
iWeb-BB75	Soft Naval Brass, Red	18~100 HRE
iWeb-BB75b	Brass (Copper)	
iWeb-B92	Cold-rolled Steel Plate, Stainless Steel	50~92 HRB

Standard Delivery

Name	Qty	
Main Unit	1	
Hardness Block	1	
Spare Indenter	1	
Calibration Wrench	1	
Small Screwdriver	1	
Instrument Case	1	



Optional Delivery

Name

Spare indentor

Standard Wiebull hardness block

Dial cover glass
