

Mikrosize®

Webster Hardness Tester



Video



Contact us

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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

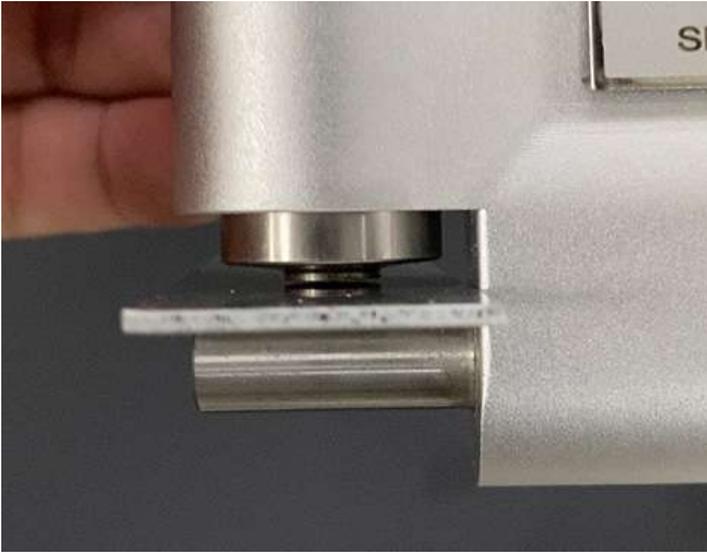


1. Frame **2. Support Screw**
6. Indenter Cylinder

3. Lower Handle
7. Anvil

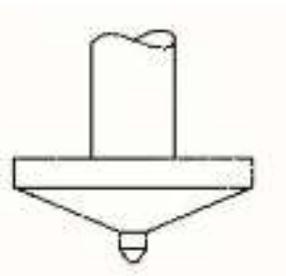
4. Adjusting Screw **5. Gauge Head**

Instrumentation

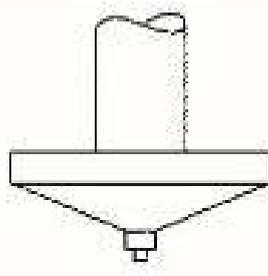


- Suitable for materials with two parallel surfaces, such as tubing, plate materials, and profiles;
- Easy to operate—just one clamp is needed, and the hardness value can be directly read out, allowing users to conveniently view operational details;
- No sampling required, and minimal operational skill 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;

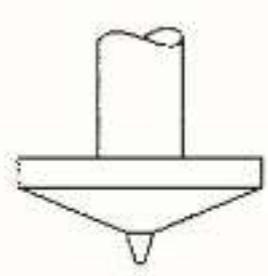
The indenters of different models of the Webster hardness tester vary:



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	Aluminum Alloy	25 ~ 110 HRE
iWeb-20a		58 ~ 131 HV
iWeb-20b		
iWeb-B75	Hard or Semi-hard Brass, Ultra-hard Aluminum Alloy	63 ~ 105 HRE
iWeb-B75b		
iWeb-BB75	Soft Naval Brass, Red Brass (Copper)	18 ~ 100 HRE
iWeb-BB75b		
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		

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