



W-20 Webster Hardness Tester



Introduction

Webster Hardness Tester is an instrument that can promptly on-site test the hardness of aluminum alloy material, including section bar, tubes, plates, aluminum parts, and hardness of other soft metal. It is such an instrument convenient in usage, with a simple “clamp” and direct result-reading, that it always receives good feedback of high efficiency and strong stability.

Webster Hardness Tester is the best choice for mechanical testing on aluminum alloy material, it is conform to Chinese nonferrous standard YS/T420-2004 and US standard ASTM B647-84(2000).

Using Scope

Especially suitable in production site, sales site or construction site for quickly testing on bulk products with non-destructive quality inspection piece by piece.

Besides aluminum alloy material, it is also suitable to test red copper, brass, soft copper etc.

Application:

- W-20: General Model, suitable for common aluminum materials;
- W-20A: Suitable for aluminum materials with thickness $\leq 13\text{mm}$;
- W-20B: Suitable for aluminum tube with inner dia. $\geq 6\text{mm}$;
- W-B75: Suitable for brass tube, brass strip;
- W-BB75: Suitable for red copper tube, red copper strip;
- W-B92: Suitable for soft stainless steel, cold-rolled strip.

Advantages:

- 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 abrasion and stain;
- Hardness Blocks: Tested by standard Rockwell hardness tester, attached with test report;
- Good Stability: Stable full scale point, stable calibration point, indicator never glides;
- Easy Conversion: Results can be converted to Vickers, Rockwell and Brinell.

Specification:

Model	W-20
Testing Range	0 ~ 20 HW (equivalent to 20 ~ 110 HRE,58-131HRV)
Resolution	0.5 HW (5 ~ 17 HW)
Repeatability	0.5 HW (5 ~17 HW)
Application	Aluminum Alloy
Suitable Specimen Size	Thickness 0.4-6 Inner Dia. >10mm
Dimension	31*22*10cm(L*W*H)
Packing Weight	2.0KG

