

HST-W20S Digital Display Webster Hardness Tester



Introduction:

Digital Webster Hardness Tester Aluminum Alloy Webster Hardness Tester (also known as clamp-type hardness tester) is a portable instrument that can quickly test the hardness of aluminum alloys on site. The test is fast and simple, one card is enough, and the hardness value is directly displayed. It meets the Chinese nonferrous metal standard YS/T420 and the American standard ASTM B647. It is one of the two instruments recommended by the standard YS/T420.

Main functions and features:

1. Aluminum alloy Webster hardness tester is suitable for testing aluminum alloy profiles, pipes and plates, especially suitable for quick and non-destructive inspection of product hardness at production sites, sales sites or construction sites. ;
2. The hardness tester can be quickly and directly displayed on the digital display;
3. The Webster hardness value can be converted into commonly used Vickers, Rockwell, Brinell hardness and tensile strength values

Main purpose and scope of application:

1. Determine whether the workpiece has heat treatment, and check the heat treatment effect
2. Determine whether the workpiece is processed from an inappropriate alloy
3. Too long and heavy workpieces or assemblies that are inconvenient to send to the laboratory for testing
4. Used for production inspection, acceptance inspection and quality supervision inspection
5. Mainly used to measure the hardness of aluminum alloy (1100~7075 series)

The main technical parameters:

1. Range: 0-20HW
2. Accuracy: $\pm 0.5HW$
3. Display resolution: 0.1HW
4. Measuring range: equivalent to 20~110HRE

Standard configuration:

The host	1	Standard Hardness Block	2
Spare needle	1	Calibration wrench	1
Charger	1	Rechargeable Battery	1
Instrument case	1	manual	1

Webster hardness tester instrument selection:

Model	Sample size/diameter mm	Net weight (Kg)	Total weight (Kg)	Packing size (mm)
HST-W20S	Plates with a thickness of ≤ 6 , pipes with an inner diameter of profiles ≥ 10	0.5	1.1	280×230×80
HST-W20AS	Plates with a thickness of ≤ 13 , pipes with an inner diameter of profiles ≥ 10	0.5	1.1	280×230×80
HST-W20BS	Plates with a thickness of ≤ 8 , pipes with an inner diameter of profiles ≥ 6	0.5	1.1	280×230×80

Optional accessories for Webster hardness tester:

1. Needle pressing
2. Standard hardness block

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