

## DIGITAL WEBSTER HARDNESS TESTER

### Model: HW-20D



### FEATURES:

<b>Digital display</b>	The top of the instrument is equipped with an OLED screen, which is easy to read and avoids errors caused by observing the dial with the naked eyes.
<b>Data auto-locking function</b>	The instrument is equipped with an automatic data-locking function, no need to press the handle all the way down when taking a reading.
<b>Providing a variety of hardness scales</b>	The instrument built-in six kinds of hardness scales, which can be converted between Webster (HWA), Rockwell (HRE), Rockwell (HRF), Rockwell (HRB), Vickers (HV) and Brinell (HB), no more tedious manual check table.
<b>9 sets of data can be stored</b>	Built-in memory chip, the instrument can store 9 groups of measurement results, meeting user's needs for multiple measurements of the measured object.
<b>High resolution of 0.1 HWA</b>	The instrument adopts eddy current induction principle measurement technology, its resolution is as high as 0.1HWA, making measurement more accurate.

## Standards for the product:

- GB/T 32660.1-2016 Metallic materials -Webster hardness test - Part 1: Test method
- GB/T 32660.2-2016 Metallic materials - Webster hardness test - Part 2: Verification and calibration of hardness testers
- GB/T 32660.3-2016 Metallic materials - Webster hardness test - Part 3: Calibration of reference blocks
- GB/T 33362-2016 Metallic materials - Conversion of hardness values
- JJG 944-2013 Metallic Webster Hardness Testing Machines

## PARAMETERS:

Parameter	Value
Hardness Scales	HWA、HRE、HRF、HRB、HV、HB
Measurement Range	HWA(0-20); HRE(23.5-110); HRF(26.2-105.5); HRB(0-85.3); HV(49-155); HB(35.2-153)
Resolution	0.1HWA
Accuracy	±0.5HWA
Repeatability	0.5HWA
Thickness of measured material	0.6mm-8mm
Inner diameter of the measured material	>10mm
Display	128 * 64 dot matrix OLED
Power supply	Rechargeable lithium battery 3.7V@400mAh, full charge for over 5000 continuous measurements

<b>Charging Port</b>	USB(Type-C)
<b>Size</b>	203*97*30 mm
<b>Weight</b>	484g
<b>Supply Voltage</b>	DC5V
<b>Working Temperature Range</b>	-10~50°C, 0~85%RH (no condensation)
<b>Storage Temperature Range</b>	-10~60°C, 0~85%RH (no condensation)

## PACKING LIST:

No.	Product Name	Quantity	Unit
1	Webster Hardness Tester	1	Set
2	USB Data Cable	1	pcs
3	Standard hardness block	1	pcs
4	User Manual	1	pcs
5	Calibration Report	1	pcs
6	Certificate / Warranty Card	1	pcs



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Actual product may differ in color and appearance due to constant development.