



VERTEX

DIGITAL WEBSTER HARDNESS TESTER Model: HW-20D



FEATURES:

Digital display	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.
Data auto-locking function	The instrument is equipped with an automatic data-locking function, no need to press the handle all the way down when taking a reading.
Providing a variety of hardness scales	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.
9 sets of data can be stored	Built-in memory chip, the instrument can store 9 groups of measurement results, meeting user's needs for multiple measurements of the measured object.
High resolution of 0.1 HWA	The instrument adopts eddy current induction principal 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
Hardnes 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

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



<https://www.vertexmachines.com/>



+91 93234 05785



info@vertexmachines.com

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