



Portable Hardness Tester VH 320



OVERVIEW :

- Wide measuring range. It can measure the hardness of all metallic materials.
- Direct display of hardness scales HRB, HRC, HV, HB, HS, HL and three types of strength values immediately.
- Large screen LCD, showing all functions and parameters. With EL background light.
- Seven impact devices are available for special application. Automatically identify the type of impact devices, and with the user calibration function.
- Test at any angle, even upside down.
- Large memory could store 100 groups (Relative to average times 32~1) information including single measured value, mean value, impact direction, impact times, material and hardness scale etc.
- Battery information showing the rest capacity of the battery and the charge status.
- Original imported high speed thermal printer support the immediate printing function.
- It can save data permanently.
- Ni-MH rechargeable battery as the power source. Charge circuit integrated inside the instrument. Continuous working period of no less than 150 hours (EL off and no printing).
- Auto power off to save energy.
- Excellent after-sale service system for high quality products--two years' warranty. Easy to buy and comfortable to use.

VERTEX ENGINEERS & ASSOCIATES

R.H- 116, Sector 2B, Near Datta Meghe Engineering College, Airoli, Navi Mumbai - 400 708
Tel : +91-22-27791675 / 65169832 Email : info@vertexmachines.com, Visit us at : www.vertexmachines.com



Portable Hardness Tester VH 320

FEATURES :

- Die cavity of mold
- Bearings and other parts
- Failure analysis of pressure vessel, steam generator and other equipment
- Heavy work piece
- The installed machinery and permanently assembled parts
- Testing surface of a small hollow space
- Material identification in the warehouse of metallic materials
- Rapid testing in large range and multi-measuring areas for large-scale work piece

TECHNICAL SPECIFICATION :

Error and repeatability of displayed value:

No.	Type of impact device	Hardness value of Leeb standard hardness block	Error of displayed value	Repeatability
1	D	760±30HLD	±6 HLD	6 HLD
		530±40HLD	±10 HLD	10 HLD
2	DC	760±30HLDC	±6 HLDC	6 HLD
		530±40HLDC	±10 HLDC	10 HLD
3	DL	878±30HLDL	±12 HLDL	12 HLDL
		736±40HLDL		
4	D+15	766±30HLD+15	±12 HLD+15	12 HLD+15
		544±40HLD+15		
5	G	590±40HLG 500±40HLG	±12 HLG	12 HLG
6	E	725±30HLE	±12 HLE	12 HLE
		508±40HLE		
7	C	822±30HLC	±12 HLC	12 HLC
		590±40HLC		

- Measuring range : HLD (170~960) HLD
- Measuring direction : 0°~360°
- Hardness Scale : HL, HB, HRB, HRC, HRA, HV, HS
- Display : segment LCD
- Data memory : 100 groups max. (relative to impact times 32~1)
- Printing paper: width is (57.5±0.5) mm, diameter is 30mm
- Battery pack: 6V NI-MH, Battery charger: 9V/500mA

VERTEX ENGINEERS & ASSOCIATES

R.H- 116, Sector 2B, Near Datta Meghe Engineering College, Airoli, Navi Mumbai - 400 708

Tel : +91-22-27791675 / 65169832 Email : info@vertexamachines.com, Visit us at : www.vertexamachines.com



Portable Hardness Tester VH 320

- Continuous working period : about 150 hours (With backlight off, no printing)
- Communication interface : USB1.1
- Outline dimensions : 212mm×80mm×32mm

Configuration :

	No.	Item	Quantity	Remarks
Standard Configuration	1	Main unit	1	
	2	D type impact device	1	With cable
	3	Standard test block	1	
	4	Cleaning brush (I)	1	
	5	Small support ring	1	
	6	Battery Charger	1	9V 500mA
	7	Paper for printing	1	
	8	Manual	1	
	9	Instrument package case	1	
Optional Configuration	10	Cleaning brush (II)	1	For use with G type impact device
	11	Other type of impact devices and support rings		Refer to Table 3 and Table 4 in the appendix.
	12	DataPro software	1	
	13	Communication cable	1	

VERTEX ENGINEERS & ASSOCIATES

R.H- 116, Sector 2B, Near Datta Meghe Engineering College, Airoli, Navi Mumbai - 400 708

Tel : +91-22-27791675 / 65169832 Email : info@vertexmachines.com, Visit us at : www.vertexmachines.com