



Digital Optical Universal Hardness Tester

DigiRock BRV6 Series

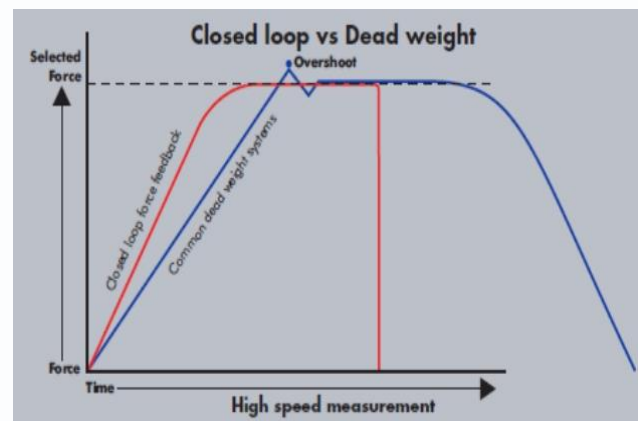
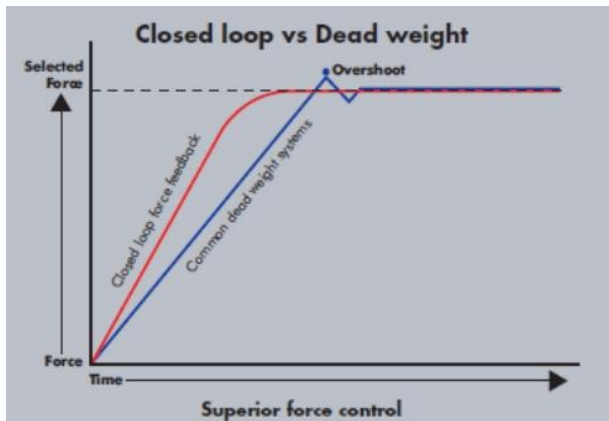


Application

- √ Casting and forging workpieces
- √ Steel, non-ferrous metals
- √ Automotive and aerospace industries
- √ Sample testing or quality control testing
- √ Flat and cylindrical workpieces
- √ Carbide, ceramic, stainless steel materials
- √ Laboratory and workshop

Features

- DigiRock BRV6 universal hardness tester adopts a Close-loop Load Cell System. The closed-loop pressure sensor and force feedback system provides a computer-controlled force loading system to ensure that the test is carried out at an extremely fast cycle speed while obtaining very accurate GR&R. result.



- DigiRock BRV6 can perform hardness testing methods, including Rockwell, Superficial Rockwell, Brinell, Vickers and Knoop. Ball indentation hardness testing of thermoplastics is also available, as well as new Vickers depth (HVT) and Brinell depth (HBT) testing.
- DigiRock BRV6 meets the standard of DIN, ISO, ASTM and JIS.
- DigiRock BRV6 with advanced hardness testing software that can automatically control the testing procedure, such as fully automatic indentation measurement and data storage, embedded camera and image calibration zoom function, can effectively avoid operator error and ensure Vickers or Brinell testing efficiency and accuracy.



Specifications:

Commodity	Digital Optical Universal Hardness Tester	
Model	DigiRock BRV6M	DigiRock BRV6F
Code#	811-188M	811-188F
Focusing Method	Manual	Automatic
Testing Range	Brinell(HB), Vickers(HV), Rockwell(HR), Superficial Rockwell, Knoop(HK), Vickers depth (HVT), Brinell Depth (HBT), Ball Indentation(HBW)	
Testing Force	Rockwell	3kgf/29.4N, 10kgf/98N, 15kgf/147.1N, 30kgf/294.2N, 45kgf/441.3N, 60kgf/588.4N, 100kgf/980.7N, 150kgf/1471N
	Brinell	HB1: 1kgf/9.8N, 2.5kgf/24.5N, 5kgf/49N, 10kgf/98N, 30kgf/294.2N
		HB2.5: 6.25kgf/61.29N, 15.625kgf/153.2N, 31.25kgf/306.45N, 62.5kgf/612.9N, 187.5kgf/1838N
		HB5: 25kgf/245.16N, 62.5kgf/612.9N, 125kgf/1225N, 250kgf/2.45kN
		HB10: 100kgf/980.7N, 250kgf/2.45kN
	Vickers	HV: 1kgf/9.8N, 2kgf/19.6N, 3kgf/29.4N, 4kgf/39.2N, 5kgf/49N, 10kgf/98N, 20kgf/196.13N, 30kgf/294.2N, 50kgf/490N, 100kgf/980.7N, 120kgf/1176N
HVT: 50kgf/490N, 100kgf/980.7N		
Rockwell Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	
Superficial Rockwell Scale	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y	
Loading Control System	Electronic Close-loop Load Cell System	
Software system	Embedded integrated MS Windows® operating system with hardness testing software	
Optical System	Objectives: 5x, 10x	
	5MP high-definition camera, indentation image zoom function	
Display	High resolution embedded industrial LCD touch screen	
Testing Space	Maximum height: 300mm	
	Maximum throat depth: 150mm((from the centerline of the indenter))	
Machine Dimensions and Weight	230mm x 540mm x 1065mm (WxDxH)	
	178kg	



Standard Delivery

Model	Commodity	Quantity
DigiRock BRV6	Φ80mm flat anvil	1
	Double positions turret	1
	Specimen clamping device	1
	Specimen clamping device (indenter protective cover)	1
	Built-in CCD camera	1
	Objectives: 5x, 10x	1
	Embedded operating system (including computer, touch screen, wireless keyboard and mouse)	1
	Fully automatic measurement software	1
	Adjustable lever	4
	Brinell indenter (Φ1mm, 2.5mm, 5mm)	3
	Vickers indenter	1
	Rockwell indenter (Diamond Cone indenter Ball indenter: Φ1/16")	2
	Hardness testing blocks (Brinell, Rockwell and Vickers for each)	3