

# HARDNESS TESTER PrimeR-560AZ

## Automatic Rockwell Hardness Tester

### Feature:

PrimeR-560AZ: full automatic rockwell hardness tester  
PrimeR-560BZ: full automatic surface rockwell hardness tester  
PrimeR-560CZ: full automatic double rockwell hardness tester

The PrimeR-560 full automatic rockwell hardness tester series is a new generation of high-tech intelligent products. The shell is cast in one piece and the surface is painted by automobile. It has a novel shape, good reliability, operability and repeatability. It has complete functions, one key operation, automatic measurement and clear and intuitive display. With automatic loading and unloading test force, it can be used to test the hardness of all series of Rockwell scales. The hardness tester can be equipped with XY automatic table, automatic programming and automatic marking, which is suitable for end quenching test; it can also be equipped with PC, which can control and measure the hardness tester through multiple computer terminals, and can conduct statistical analysis of data and issue test reports. You can also customize the test report according to the user's requirements.

### Application:

Suitable for quenched steel, tempered steel, annealed steel, cold and hard casting, malleable cast iron, hard alloy steel, aluminum alloy, copper alloy, bearing steel etc.

**Standard:** ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2



### Technical Specification:

Model	PrimeR-560AZ	PrimeR-560BZ	PrimeR-560CZ
initial test force	10kgf (98.07N)	3kgf	3kgf, 10kgf
total test force	60kgf, 100kgf, 150kgf	15kgf, 30kgf, 45kgf	15kgf, 30kgf, 45kgf, 60kgf, 100kgf, 150kgf
indenter	diamond indenter, $\phi 1.588\text{mm}$ ball indenter		
hardness scale (PrimeR-560AZ)	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRR, HRS, HRV		
hardness scale (PrimeR-560BZ)	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HE45Y		
hardness scale (PrimeR-560CZ)	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HE45Y		
scale convert	HBW, HV, HK, HRA, HRB, HRC, HRD, HRF, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T,		
loading method	automatic (loading/dwell/unloading)		
table lift(Z up and down)	automatic		
table move(X Y move)	automatic (optional)		
hardness reading	8 inch touch digital LED screen		
Data output	Built-in printer, RS232 to PC.		
resolution	0.1HR		
dwell time	0~60s		
max. height of specimen	300mm		
throat	170mm		
power supply	AC220V, 50Hz		
dimension(LWH)	machine: 520×240×820mm, packing: 650×370×950mm		
weight	net weight: 100kg, gross weight: 135kg		



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