

## PHR-8-4 C Clamp Rockwell Hardness Tester



### GENERAL DESCRIPTION

The PHBR-8-4 C-clamp Brinell and Rockwell hardness tester is designed and developed according to the basic principle of Brinell and Rockwell hardness testing methods. The test principle, test conditions and test accuracy are all up to the international standard ISO6508/6506. The PHBR series hardness tester can work as both Rockwell hardness tester and Brinell hardness tester. They can solve most of the hardness testing problems in the industry. PHBR series Brinell and Rockwell hardness testers have a higher testing accuracy. The test results meet most requirements of product standard or drawings and can be well accepted in the international trade. It applies for huge or medium-size parts not available for magnetic type. It consists of: C- shape frame, screw arbor, and test head. Rockwell hardness testers are mainly for products or semi-finished products after final heat treatment; Brinell hardness testers are mainly for raw materials ,castings, forgings, or semi-finished products without heat treatment.

### FUNCTION AND FEATURES

- Test Principle: This hardness testing equipment follows Rockwell hardness test method and test condition, and the result is reliable.
- Simple Operation: Fix the instrument to part and clamp it and test the hardness of part, no need to move the part.
- High Accuracy: Test fast, convenient, non-destructive.As accurate as desk tester, error less than 1.5HRC.
- High Reliability: Structure as simple as micrometer, accurate, convenient, repeatable.

### TECHNICAL PARAMETERS

Preliminary test force: 10 kgf

Total test Force: 60 kgf, 100 kgf, 150 kgf

Test head: 120°diamond indenter

1.588mm carbide alloy ball

Indication Error: complying with ISO 6508 and ASTM E18

Repeatability Error: complying with ISO 6508 and ASTM E18

Test Resolution: 0.5HR

Application range: common metal including iron and steel, cooper, aluminum.