

## PHR-200 Digital Magnetic Rockwell Hardness Tester



### GENERAL DESCRIPTION

Because of the high-accuracy sensor and unique distance measuring technology, reaching far higher test accuracy than other portable hardness testers. It is fixed onto the surface of an iron and steel part with magnetic chucks. This digital Rockwell hardness tester follows the Rockwell hardness test principle, and complies with relevant regulations of ISO6508, and ASTM E18 standards. The digital portable hardness tester is mainly applied to test too large or heavy iron and steel parts for the desk testers. This digital hardness tester is also used to test the hardness of steel parts, bearings, moulds; large and medium-sized heating parts.

### FUNCTION AND FEATURES

- High Reliability: With advanced imported sensors as well as high integration, high stability electronic components to keep the high reliability of the hardness tester.
- Wide Test Range: Test by gripping to iron and steel parts, and it can finish the test by unilaterally touching the parts. It can test any dimension parts, especially steel tubes and weld on pipes. Test a large batch of parts piece by piece on site.
- Designed with Light: Test point with lighting, convenient to observe the test processing.
- Digital Display Function: Adopt digital display technology to show test force and other information on LED display of hardness tester, it is convenient to operate.

### TECHNICAL PARAMETERS

Initial Test Force: 10kgf

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

Testing Range: 20~88HRA, 20~100 HRB, 20~70 HRC

Testing Resolution: 0.1 HR

Indication Error: Comply with ISO 6508 and ASTM E18 standards

Repeatability Error: Comply with ISO 6508 and ASTM E18 standards

Test Force Error:  $\leq \pm 1\%$

Operating Temperature: 0 ~50°C

Dimension: Flat : Area  $\geq 195\text{mm} \times 60 \text{ mm}$ , Thickness: $\geq 5 \text{ mm}$

Cylinder: Diameter  $\geq 60 \text{ mm}$  Length  $\geq 200 \text{ mm}$ , Thickness  $\geq 8 \text{ mm}$