

PHR-20-12 C Clamp Rockwell Hardness Tester



GENERAL DESCRIPTION

PHR-20-12 C clamp Rockwell hardness tester is designed according to the basic principle of Rockwell hardness test. The principle and structure of this kind of hardness tester is in accordance with the American Standard ASTM E110. Compared with small type, C clamp Rockwell hardness tester applies part clamping structure and similar reading system as micrometer, so it is prior to small type for its good stability, repeatability, accuracy. This Rockwell hardness tester is a small, light, accurate portable hardness tester. It consists of a C- shape frame, screw arbor, and test head. It could test flat or curve parts as long as the parts could be clamped and the test surface erects the test head.

FUNCTION AND FEATURES

- High Accuracy: Test fast, convenient, non-destructive. As accurate as desk tester, error less than 1.5HRC.
- Simple Operation: Fix the instrument to part and clamp it to test the hardness of part, no need to relocate the part.
- 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, copper, and aluminum.

Standard Package



Tester



120° Diamond
Cone Indenter



1.588mm
Carbide Ball Indenter



Rockwell Test Block



Flat Anvil



V Anvil



carrying case