

STRUCTURE AND APPLICATION

It is a small, light, accurate portable hardness tester. It consists of 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. It could be applied in production inspection and acceptance inspection to replace low accurate Leeb hardness tester.

INSTRUMENT FEATURES

- Follow Rockwell hardness test method and test condition, and the result is reliable.
- Fix the instrument to part and clamp it and test the hardness of part, no need to move the part.
- Test fast, convenient, non-destructive.
- Structure as simple as micrometer, accurate, convenient, repeatable.
- As accurate as desk tester, error less than 1.5HRC.

TECHNICAL PARAMETERS

Initial test force:	10 kgf
Total test force:	60 kgf, 100 kgf, 150 kgf
Test head:	120° Diamond Indenter 1/16" carbide alloy ball
Indication Error:	complying with ISO 6508, ASTM E110 and ASTM E18
Repeatability Error:	complying with ISO 6508, ASTM E110 and ASTM E18
Test Resolution:	0.5 HR
Application range:	common metal including iron and steel, copper, aluminum,

APPLICATION INSTRUCTION

Compared with small type, C-shape type applies part clamping structure and similar reading system as micrometer, so it is prior to small type for its good stability, repeatability, accuracy.

**PHR-8-4****Packing of PHR-8-4**

STANDARD ASSEMBLY

Tester
 120° diamond indenter
 1/16" carbide ball indenter
 Rockwell test block
 Flat anvil
 V anvil
 Carrying case

OPTIONAL ACCESSORIES

120° diamond indenter
 Carbide ball indenter(1/16", 1/8")
 Steel ball indenter(1/4")
 Rockwell test blocks (HRC-high, HRC-low, HRB)
 Special anvils (as per requirements)



MODEL SELECTION

Model	Opening Size W x D (mm)	Net Weight (kg)	Gross Weight (kg)	Package Dimensions (mm x mm x mm)	Remarks
PHR-4-3	100 x 75	2.2	8.5	510 x 380 x 180	The first number in the model specification means the biggest opening width (inch), the second number means the biggest opening depth (inch).
PHR-8-4	200 x 100	4.0	10.7	710 x 470 x 200	
PHR-8-10	200 x 250	5.5	14.2	720 x 650 x 230	
PHR-20-12	500 x 300	7.8	21.0	1020 x 760 x 240	

PRODUCTS PHOTOS



PHR-4-3

PHR-8-4

PHR-8-10

PHR-20-12