

Portable Hardness Testers

15

For Testing Porous Castings and Very Rough Surfaces



PHT-1850

PHT-1750

Meets ASTM A956 specifications

Standard Accessories:

- Base instrument
- Impact device G
- Calibrated test block
- Custom carry case
- Cleaning brush
- Operation manual



Specifications:

- **Accuracy:** +/- 0.5% HL
- **Measuring range:** 200-960 HL
- **Materials:** steel & cast steel, alloy tool steel, stainless steel, grey cast iron, spheroidal iron, cast aluminum, brass, bronze, wrought copper alloy.
- **Battery type:** AA alkaline (4)
- **Operating temperature:** 5-104 degrees F
- **Dimensions:** 150 x 74 x 32mm
- **Shipping Weight:** 20 lbs.

Operation:

- Load the impact body
- Place the impact body on your test piece
- Push the button to begin testing and obtain reading

Functions:

- Easy to use keypad operation
- Auto identification of Impact Device
- Large LCD display with back light
- Automatic mean value as well as Min & Max values
- Battery Indicator
- Memory capacity (100 groups)

IMPACT DEVICE	G
IMPACT ENERGY	90 Nm
MASS OF THE IMPACT BODY	20g
TEST TIP	
* Hardness	1600HV
* Diameter	5mm
* Material	Tungsten Carbide
IMPACT DEVICE	
Diameter	30mm
Length	254mm
Weight	250g
MAX HARDNESS OF SAMPLE	650HB
PREPARATION OF SURFACE	
* Max. roughness depth Rt	30 µm
* Average roughness Ra	6.3 µm
PREPARATION OF SURFACE	
* Of compact shape depth Rt	15kg
* On solid support	5kg
* Coupled on plate	0.5kg
INDENTATION OF TEST TIP WITH 300 HV	
* Diameter	1.03mm
* Depth	53 µm
WITH 600 HV	
* Diameter	0.90mm
* Depth	41 µm

PHT-1750/1850

Hardness Testing for Rough Surfaces

Incorporates the "G" impact device mated to the popular PHT-1700 & 1800 portable hardness testers. This combination allows the user to test large rough surface parts and readout in the Brinell hardness scale.