

PORTABLE HARDNESS TESTERS

PHT-1700 Series

Loaded with features, this economically priced hardness tester is capable of measuring the surface hardness of a broad variety of metals on flat and round surfaces. This instrument comes complete with the universal D impact device, calibrated test block and rugged carry case. Designed to test large hard parts. Example: Tool steel should be close to 1" thick of solid material

Specifications:

- Accuracy: +/- 0.5% (referred to L=800,
- Repeatability accuracy: +/- 4L units) L=Leeb
- 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: AAA alkaline (2)
- Operating temperature: 5-104 degrees F
- Dimensions: 108 x 62 x 25mm
- Weight: 230 grams



Accessories for Portable Hardness Testers

D-Probe: METSHPHT1800-100

Universal standard unit. Will handle the majority of hardness testing applications. Weight: 75g

D+15 -Probe: METSHPHT1800-110

Very narrow contact area with a set back measurement coil. This device is used to measure hardness in grooves and recessed surfaces. Weight: 80g

DL -Probe: METSHPHT1800-115

This model features a needle front section with a diameter of 4mm and a length of 50mm. It is suitable for testing in extremely confined spaces, the base of grooves and on special components such as gear wheels. For use on steel and cast steel only!

DC-Probe: METSHPHT1800-120

Very short impact device for those confined areas, i.e. inside bores for internal measurements. Conforms to the D measuring range. Weight: 50g

G-Probe: METSHPHT1800-125

This device has an enlarged test tip, and an increased impact energy range (approx. 9 times the D, 72 ft-lb.). Can be used on lower quality finishes for measuring hardness in the Brinell range only (max. 650 HB). Designed to be used with heavy components such as heavy castings and forgings. Weight: 250g

C-Probe: METSHPHT1800-130

A reduced impact energy impact device (approximately 1/4 of the D Type 2 ft-lb.) for measuring the hardness of surface hardened components, coatings, thin wall or impact sensitive components. Applies a small superficial indentation. Weight: 75g