

PTC® Model 316 Portable Steel Hardness Tester: Description



PTC® Model 316 Portable Steel Hardness Tester measures the hardness of metals in the range of 20 to 65 HRC on the equivalent Rockwell C Scale. The instrument is fully portable and easy to use. It can easily be carried anywhere an accurate hardness test is required. It is exceptionally useful where the test piece is too large or heavy to test on a bench-type tester.

This high quality, affordable, portable tester is a must for large work pieces, small machine shops, heat treaters, quality control personnel, and engineers!

The PTC® Model 316 now features an illumination system which has been completely redesigned for optimal performance. This new light source is manufactured from aircraft grade aluminum and has a fiber optic light pipe. The new slim design of the microscope light allows the user to test in tight spaces which were not previously accessible!

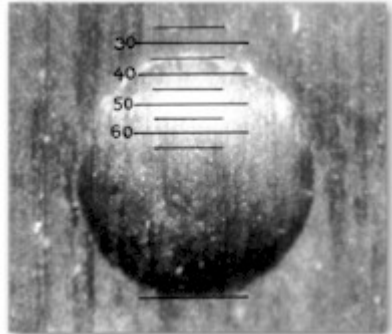
The unit consists of two major components. A calibrated indenter and a direct reading microscope. The hand held automatic indenter is used to make a small indentation in the piece to be tested. The microscope is used to directly "read" the hardness from the size of the impression on its equivalent Rockwell C Scale.

The Model 316 is used by heat treaters, engineers, quality control inspectors and shop personnel to test the hardness of metals in such industrial equipment as dies and punches, gears, cutting teeth, welds, hardened way, bars, rods, nuts, bolts, rivets, etc. The PTC® Model 316 Metal Hardness Tester is ready-to-use!

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It comes complete with:

- calibrated impact indenter;
- 60x illuminated reticulated microscope;
- calibrated test block;
- conversion calculator;
- carrying case.



View Through Reticulated Eyepiece

The PTC® Model 316 Portable Steel Hardness Tester measures hardness in the range of 20 to 65 HRC (equivalent Rockwell C Scale) with an accuracy of ± 1.5 points.

A hand-held impact indenter drives a $\varnothing 0.0625$ in. (1/16 in. diameter) carbide ball into the sample with a calibrated impact. The impression diameter is read directly with a microscope containing a calibrated reticle.

PTC® Model 316 Portable Steel Hardness Tester: Specifications

Range:	20 — 65 HRC (equivalent Rockwell C Scale)
Accuracy:	± 1.5 points
Dimensions of Carrying Case (H x W x D):	9.5 x 6.5 x 2.5 in. (241 x 165 x 64 mm)
Dimensions of Microscope:	7.5 in. (191 mm) x 0.875 in. (22 mm) \varnothing
Microscope Illuminator:	Fiber optic, two (2) AAA batteries.
Weight:	2 lb. (0.9 kg)
Shipping weight:	4 lb. (1.8 kg)
Standards:	ASTM E18
List Price:	Please Submit a Request for Quotation (RFQ)

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