



# Portable Steel Hardness Tester

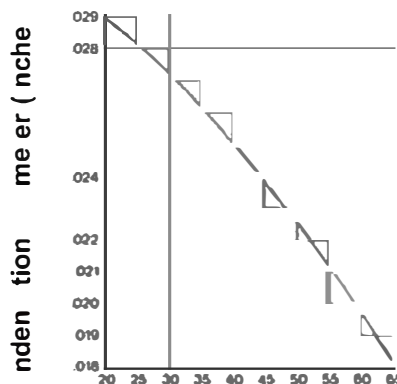
## Model 316 Equivalent Rockwell C Scale

Made in U.S.A.



Model 316 shown above

- **Completely Portable Steel Hardness Tester**
- **Range of 20 to 65 HRC (equivalent Rockwell C Scale)**
- **Accuracy of  $\pm 1.5$  Points**
- **NIST Traceable Certification Available**



Equivalent Rockwell C Scale

### SPECIFICATIONS

1. Range. 20 to 65 HRC (equiv. Rockwell C Scale).
2. Accuracy.....  $\pm 1.5$  points.
3. Dimensions of Carrying Case:
  - Length..... 9-1/2 in. (24.1 cm).
  - Width..... 6-1/2 in. (16.5 cm).
  - Depth..... 2-1/2 in. (6.4 cm).
4. Dimensions of Microscope
  - Length..... 7-1/2 in. (19.1 cm).
  - Base Diameter..... 7/8 in. (2.2 cm).
5. Microscope Illuminator.....two AAA batteries.
6. Weight..... 2 lb. (0.9 kg).
7. Shipping weight..... 4 lb. (1.8 kg).

The illumination system is a Mini Maglite® coupled to a fiber optic light pipe. The flashlight is powered by two AAA batteries. A spare bulb is located in the tail cap of the flashlight. Note: we do not recommend using Duracell® batteries in the flashlight due to their larger diameter.

### CALIBRATION CURVE FOR MODEL 316

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

A hand-held impact indenter drives a 1/16" diameter carbide ball into the sample with a calibrated impact. The impression diameter is read directly with a microscope containing a calibrated reticle.

Certification of the microscope and/or calibrated test block using standards calibrated traceable to NIST are available upon request for nominal fees.

PTC®'s Model 316 includes a hand-held impact indenter, an illuminated 60X measuring microscope, batteries, test block, hardness conversion chart, instructions, and carrying case.

