"PTC" Durometer & Surface Thermometer Made in USA

ASTM Type 'Ergo' Style & Classic Style Analog Durometer

1"X1" base (Ergo Type)	
Model	**Standard**
408	ASTM Type A
409	ASTM Type D
408B	ASTM Type B
409C	ASTM Type C
410	ASTM Type O
411	ASTM Type OO
412	Type OOO

1"X1-5/8" base (Classic Style)	
Model	**Standard**
306L	ASTM Type A
307L	ASTM Type D
306BL	ASTM Type B
307CL	ASTM Type C

- ASTM Types A, B, C, D, DO, O & OO
- Easy to read dial indicator with 240° dial
- Accuracy of ±1 point for Type A, B, C, D, DO & O
- All durometers meet or exceed current ASTM D2240 Specifications
- Maximum reading pointer standard
- Certification traceable to NIST standards available. (Option)

Model 409 (1"X1" base)

Model 306L (1"X1-5/8" base)

ASTM Digital Durometer (Certified) & ASTM Analog Durometer

Certified Digital Durometers	
Model	**Standard**
511A	ASTM Type A
512D	ASTM Type D
511B	ASTM Type B
512C	ASTM Type C
511/O	ASTM Type O
512DO	ASTM Type DO

Analog Durometers	
Model	**Standard**
501A	ASTM Type A
502D	ASTM Type D
501B	ASTM Type B
522CL	ASTM Type C
501/O	ASTM Type O
502DO	ASTM Type DO

- Meet or exceed ASTM D2240
- 1-1/4" Diameter Base – the optimum size and shape for the most reliable readings
- Color Coded – for easy identification
- Accuracy of ±1 point
- Soft Grip
- Maximum reading pointer standard for analog model

Model 511A Certified Digital Durometers

Model 501A Analog Durometers

Model 302SL Durometer For foam & sponge rubber

- Comes complete with test block and carrying case
- Maximum reading pointer standard
- Certification traceable to NIST standards available

Model 320 Type A & D dual Scale Precision Durometer Test Stand

- Fully compatible with most durometers of other manufacture
- Max sample height
- 5 in. (12.7 cm)
- Dimensions: 17(H) X6 (W) X6.5 (D) in.
- Weight: 5 lbs. (2.3kg)

Model 312, 313, 314, 315C Dual Magnetic Surface Thermometer

Model	Max-Min (Dual) Ancillary Hands	Range	Resolution
312C	---	-20~+120℃	1℃
312CL	Yes	-20~+120℃	1℃
313C	---	-20~+120℃	2℃
313CL	Yes	-20~+120℃	2℃
314C	---	10~+400℃	5℃
314CL	Yes	10~+400℃	5℃
315C	---	-15~+65℃	1℃
315CL	Yes	-15~+65℃	1℃
330C	---	-70~+70℃	2℃
330CL	Yes	-70~+70℃	2℃

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"PTC" Durometer & Surface Thermometer Made in USA

Model 415C/ 415B Portable Metal Hardness Tester (Equivalent Rockwell C or B scale)

These unique instruments are the most economical way of grading and checking various metals in equivalent Rockwell C range of 20HRC to 67HRC and Rockwell B range from 40HRB to 100 HRB.

Specifications:

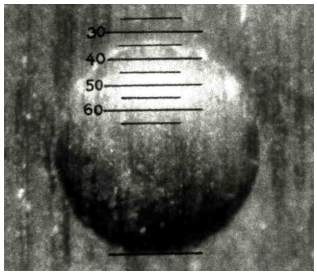
- Range:
  20 to 67HRC X 1 HRC (415C)
  40 to 100HRB X 1 HRB (415B)
- Minimum sample thickness is 0.025" (0.635mm) in most material.
- Accuracy: +/- 1.5 point
- Weight: 2 lbs 9 oz (1.5kg)
- Min. sample thickness: 0.64mm
- Comes complete with test block and carrying case

Model 316 Portable Steel Hardness Tester (Equivalent Rockwell C Scale)

The 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.

Specifications:

- Range: 20 to 65HRC X 5 HRC
- Accuracy: +/- 1.5 point
- Minimum sample thickness is 0.020" (0.5mm) in sheet metal.
- Weight: 2 lbs 2 oz (1kg)
- Comes complete with test block and carrying case



OPERATING INSTRUCTIONS

1. Prepare the sample by cleaning the surface with a piece of emery paper or steel wool. The sample should be at least as smooth as can be obtained using size 400-A emery paper.
2. Hold the indenter in the hand at right angles to the surface of the sample. Slowly force the tip into the sample until the indenter trips.
3. Place the microscope over the sample so that the hole in the microscope base is over the indentation. The hardness may now be obtained by measuring the diameter of the indentation with the scale in the microscope.

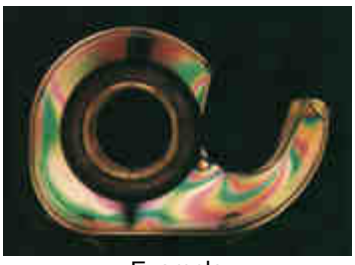
This photo shows the microscope reticle in position over an indentation. This measurement indicates a value of 33HRC on the equivalent Rockwell C Scale.

Model 243 6 inch Polariscope with Tint Plate

The Polariscope is an essential tool for determining strain patterns developed during fabrication and manufacturing. It permits immediate determination of strains in most transparent materials. It is valuable in production or as a laboratory tool wherever glass is fabricated, welded or bent. Check liquid in glass thermometers for stress and strains.
As polarized light travels through strained glass or plastic, it undergoes retardation proportional to the amount of stress. A Polariscope is an instrument, which can be used to qualitatively view this retardation.

Specifications:

- Power: 220V AC
- Working Space: up to 6 vertical inch
- Field diameter: 5-3/4inch (14.6cm)
- Filter: glass protected Polaroid, type HN32
- Weight: 6lbs 9oz (3 kg)
- Shipping weight: 8 lbs (3.6kg)
- Finish: black enamel



Example

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