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INSTRUCTIONS

GARDCO DISTRIBUTED PRODUCTS



Model 320 Spring-Loaded Test Stand for Durometer Types A, B, C, D, DO, & O

SPECIFICATIONS

1. Model 320 is designed for PTC® Type A, B, C, D, DO, & O durometers and also durometers of other manufacture.
2. Max. sample height 5 in. (12.7 cm).
3. Dimensions:
 - Height 17 in. (43.2 cm).
 - Width 6 in. (15.2 cm).
 - Depth 6-1/2 in. (16.5 cm).
4. Weight 6 lbs. 10 oz. (3.0 kg).
5. Shipping weight 11 lbs. (5.0 kg).

INSTRUCTIONS

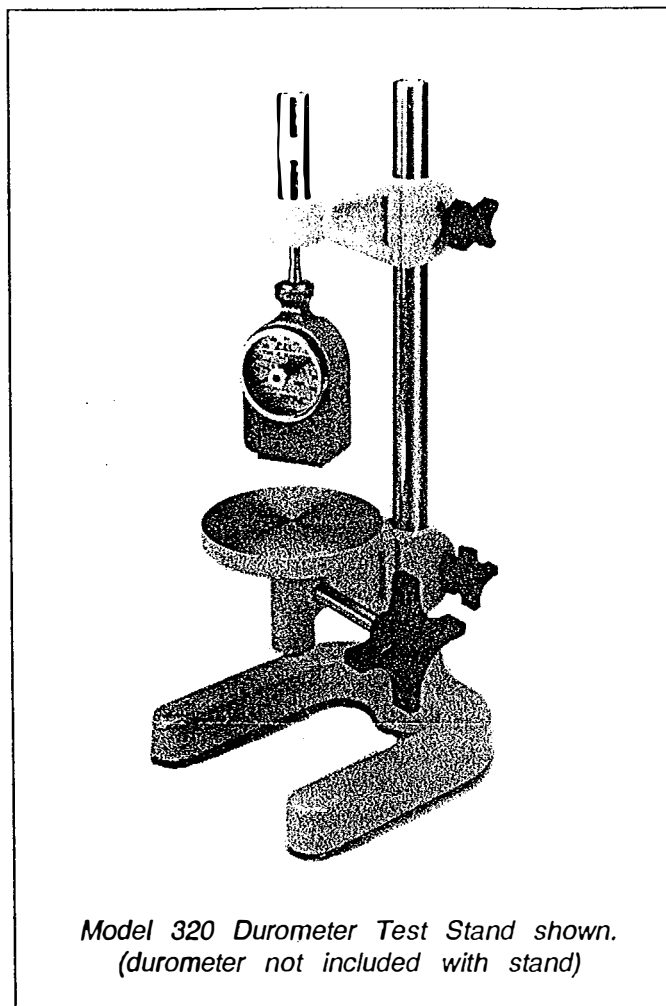
Mount the durometer to the threaded shaft of the stand (see photo).

Place the sample to be measured squarely on the movable stage. The sample should be at least 1/4 inch (8 mm) in thickness, although thinner materials can be stacked to this dimension. Most materials above 50/D can be tested with a 1/8 inch (3 mm) minimum thickness.

Set and lock the stand so that the durometer foot is about 1/4 inch above the sample. Set the ancillary hand at or near zero.

The load cell must be set to "A" for Types A, B, or O durometers, or set to "D" for Types C, D, or DO durometers. To set to Type A, lift and turn the upper part of the load cell so the head of the setscrew on the shaft fits into the slot at the imprinted "A" on the upper part. For Type D, use the same procedure, only fitting the head of the setscrew into the slot marked "D".

Turn the large knob at the right to raise the table. Continue raising until the upper part of the load cell just begins to separate from the load cell housing. This point marks the fully loaded position and the durometer will then register the hardness of the sample.



*Model 320 Durometer Test Stand shown.
(durometer not included with stand)*

The Model 320 Durometer Stand is designed to be used with durometer Types A, B, C, D, DO, and O. A unique, spring load cell can be easily set for the proper precision spring load. This system provides similar loads to ASTM recommendation of 1 kg for Types A, B, and O; and 5 kg for Types C, D, and DO. By using the spring load cell, the Model 320 is lightweight and very portable. The Model 320 Durometer Stand is designed for PTC®'s line of hardness testers and will also accept durometers of other manufacture.