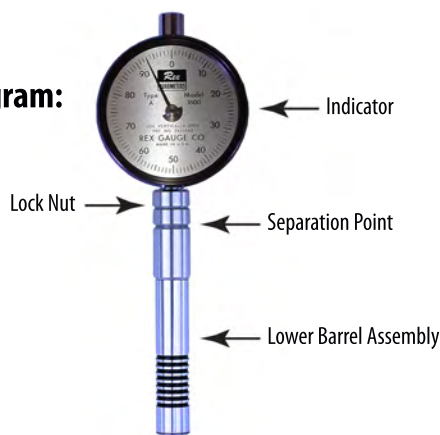


MODEL MS-1

Multi-Scale Durometer

MS-1 Diagram:



Removing/Attaching Lower Barrel:

To Remove:

- Turn Counter-Clockwise

To Attach:

- Turn Clockwise

Note: Remove and attach lower barrel assembly by hand only. Do not disassemble gauge at any other connection other than the separation point.

Checking Calibration:

For Types A, B, O, and OO:

- Press durometer firmly on a hard flat surface, you should obtain a reading of $100 \pm \frac{1}{2}$ point.

For Types C, D, and D0:

- Use the included test block, you should obtain the given reading ± 2 points.

Gauge Operation:

To use the gauge, press down and hold in a near vertical position until entire presser foot is in contact with the specimen. As noted in the ASTM D 2240: "After the presser foot is in contact with the specimen, the indicated reading shall be recorded within $1s \pm 0.1s$, or after any period of time agreed upon among laboratories or between supplier and user." The indicated reading may change with time. Readings are in Durometer points. For example a properly recorded durometer reading should read A/50/1, where A is the durometer type, 50 is the reading, and 1 is the time in seconds that the presser foot was in contact with the specimen. **NOTE!** The presser foot size has been found to influence durometer readings. When recording a durometer reading, it is recommended to also record the presser foot size.

Important:

The indicator can only be used with the included barrel adapters (with matching serial numbers). Barrel adapters with different serial numbers will not give proper readings.

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