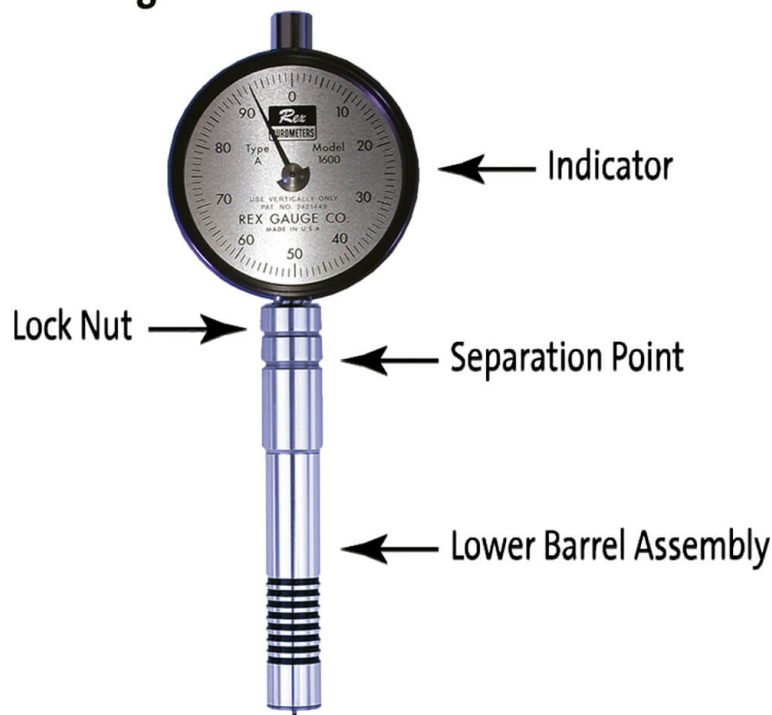


## MS-1 Diagram:



### Removing/Attaching Lower Barrel:

- |                          |                   |
|--------------------------|-------------------|
| <b>To Remove:</b>        | <b>To Attach:</b> |
| • Turn Counter-Clockwise | • 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 DO:

- Use the included test block, you should obtain the given reading  $\pm 2$  points.

# MODEL MS-1

## Multi-Scale Durometer



### 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.