

Aneroid Calibration FAQ's

What does it mean if the needle is in the oval at 0mmHg?

If the needle is in the oval at 0mmHg, this means that the aneroid is in calibration (within the +/- 3 mmHg specification) at 0mmHg. This does not guarantee that the gauge is in calibration at all points around the dial face, but it is likely in calibration. This is a good quick check before taking a reading with any aneroid. Welch Allyn recommends that customers CHECK calibration of the aneroid (following the recommended procedure in the Calibration letter) every 2 years.

What does it mean if the needle is out of the oval at 0mmHg?

This means the gauge is definitely out of calibration at 0mmHg and is likely to be out of calibration at other measurement points around the dial. The facility may want to consider sending the gauge in for calibration (if under warranty) or purchasing a new gauge. (Welch Allyn gauges with gear-free DuraShock technology remain in calibration longer than gauges with traditional gears because traditional gauges do not hold up as well to drops, rough handling, and day to day use and abuse)

How does a customer check calibration every 2 years?

Facilities can do the check if they have a known pressure standard (Welch Allyn recommends a digital pressure meter). Welch Allyn sells a Netech Pressure Meter (part no. 200-2000IN), which is calibrated for ± 1.0 mm Hg, and a Setra Pressure Meter (part no. 2270-01), which is calibrated for ± 0.1 mm Hg.

There are also facilities that can check and adjust calibration of various devices including aneroids. Most hospitals have equipment to check calibration.

NOTE: The ability to measure the accuracy of a sphygmomanometer depends upon the sensitivity of the pressure standard used for the calibration procedure.

SEE LETTER THAT CAN BE SENT TO CUSTOMERS ON HOW TO CHECK CALIBRATION FOR MORE SPECIFICS.

Does Lifetime Calibration Warranty mean the gauge will never go out of calibration?

No. This simply means that if the gauge does go out of calibration, Welch Allyn will recalibrate the device at no charge for the life of the gauge.