Welch Allyn Blood Pressure Products
featuring DuraShock™ Technology

How DuraShock Technology Works

In traditional aneroid sphygmomanometer design, several delicate gears and springs convert and amplify vertical movement of the pinion to rotational movement to turn the pointer. The DuraShock gear-free design, however, uses a superior single helix spring to directly convert the vertical movement of the pinion for rotation of the pointer without the use of a multi-step gear arrangement.

By creating a gear-free design, Welch Allyn products with DuraShock technology have fewer moving parts, providing a gauge that is shock resistant and lighter than traditional gauges. Until now, a dropped sphygmomanometer required recalibration or replacement. The DuraShock gauges in the Bronze, Silver, and Gold lines can fall 30 inches onto a hard surface and still remain accurate. The DuraShock gauges in the Platinum line can fall 60 inches onto a hard surface and still remain accurate.

Specifications

The Welch Allyn DuraShock aneroid sphygmomanometer is accurate to ±3 mmHg or 2% of the reading above 200 mmHg. This product will maintain the safety and performance characteristics specified at temperatures ranging from 10ºC to 40ºC at a relative humidity level not to exceed 90%.

Standards

American National Standard ANSI/AAMI, SP9: 1994, Non-automated sphygmomanometers (model DS44 and DS45 only)

Welch Allyn Platinum Series
A premium professional line of quality sphygmomanometers

Welch Allyn Gold Series
A professional line of quality sphygmomanometers

Welch Allyn Silver Series
An entry-level line of quality sphygmomanometers

Welch Allyn Bronze Series
An economy line of quality sphygmomanometers

Welch Allyn Part Numbers

Welch Allyn Platinum Series

- Hand gauge, breather valve, lining
  - 1006: Amrad
  - 1007: Amrad
  - 1008: Amrad
  - 1009: Amrad
  - 1010: Amrad

- Amrad with adult double venture control cuff and zipper case
  - 1013: Amrad
  - 1015: Amrad

- Amrad with large adult, adult, and child print double one-piece control and zipper case
  - 1014: Amrad
  - 1016: Amrad

- Amrad with adult print and, small adult, and child print double one-piece control and zipper case
  - 1017: Amrad
  - 1019: Amrad

- Amrad with adult, child, small, and adult print double two-piece control and zipper case
  - 1020: Amrad
  - 1022: Amrad

- Large adult case
  - 1023: Amrad

- Small adult case
  - 1024: Amrad

Welch Allyn Gold Series

- Hand gauge, trigger valve
  - 1056: Amrad
  - 1057: Amrad

- Amrad with adult double venture control cuff and zipper case
  - 1059: Amrad
  - 1060: Amrad

- Amrad with large adult, adult, and child print double one-piece control and zipper case
  - 1061: Amrad
  - 1062: Amrad

- Amrad with large adult, adult, and child print double two-piece control and bladder and zipper case
  - 1063: Amrad
  - 1064: Amrad

- Single zipper case
  - 1065: Amrad

- Double zipper case
  - 1066: Amrad

Welch Allyn Silver Series

- Hand gauge, trigger valve, lining
  - 1096: Amrad
  - 1097: Amrad

- Amrad with adult double venture control cuff and zipper case
  - 1098: Amrad
  - 1099: Amrad

- Amrad with large adult, adult, and child print double one-piece control and zipper case
  - 1100: Amrad
  - 1101: Amrad

- Amrad with large adult, adult, and child print double two-piece control and bladder and zipper case
  - 1102: Amrad
  - 1103: Amrad

- Single zipper case
  - 1104: Amrad

- Double zipper case
  - 1105: Amrad

Welch Allyn Bronze Series

- Hand gauge, trigger valve, lining
  - 1146: Amrad
  - 1147: Amrad

- Amrad with adult double venture control cuff and zipper case
  - 1148: Amrad
  - 1149: Amrad

- Amrad with adult print and, small adult, and child print double one-piece control and zipper case
  - 1150: Amrad
  - 1151: Amrad

- Amrad with adult print and, small adult, and child print double two-piece control and bladder and zipper case
  - 1152: Amrad
  - 1153: Amrad

- Large adult case
  - 1154: Amrad

- Small adult case
  - 1155: Amrad

- Single zipper case
  - 1156: Amrad

- Double zipper case
  - 1157: Amrad

Welch Allyn Blood Pressure Products

Features DuraShock™ Technology

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How DuraShock Technology Works

Specifications

The Welch Allyn DuraShock aneroid sphygmomanometer is accurate to ±3 mmHg or 2% of the reading above 200 mmHg. This product will maintain the safety and performance characteristics specified at temperatures ranging from 10ºC to 40ºC at a relative humidity level not to exceed 90%.

Standards

American National Standard ANSI/AAMI, SP9: 1994, Non-automated sphygmomanometers (model DS44 and DS45 only)
Silver Series

Welch Allyn DS48A Trigger
In addition to the features listed above, the DS48A Trigger features a unique integrated, cuff-mounted design that is compact and lightweight for ease of use. A bumper around the dial provides added protection, and a large inflation bulb makes inflation easy.

Platinum Series

All products in the Platinum Series product range incorporate the following features:

- Jeweled movement for long life
- Laser-engraved dial for accuracy
- Premium inflation system for comfort
- Super shock-resistant—can withstand up to 60” drop and remain accurate
- 10-year calibration warranty
- Premium aesthetics

Bronze Series

All products in the Bronze Series product range incorporate the following features:

- Jeweled movement for long life
- Laser-engraved dial for accuracy and lower cost over time
- 5-year calibration warranty

Award-Winning Technology

Platinum Series

The DS48 Classic aneroid plugs directly into an integrated cuff, providing a more robust design that is twice as shock resistant as the current DS44 and DS45 Integrated gauges from Welch Allyn. The gauge rotates 360º for easy viewing from any angle.

Tycos Classic Models: DS58, DS48, DS48A

The Welch Allyn Tycos DS58 Classic is one of three premium models in this new Welch Allyn product range. In addition to the features listed here, the DS58 comes with an ergonomic inflation bulb designed to enhance comfort while inflating a cuff.

The DS48 Classic aneroid plugs directly into an integrated cuff, providing a more robust design that is twice as shock resistant as the current DS44 and DS45 Integrated gauges from Welch Allyn. The gauge rotates 360º for easy viewing from any angle.

The DS48A Classic pocket-style aneroid is lightweight and will not weigh down a cuff on a patient’s arm.

Tycos Classic Models: DS58, DS48, DS48A

The Welch Allyn Tycos DS58 Classic is one of three premium models in this new Welch Allyn product range. In addition to the features listed here, the DS58 comes with an ergonomic inflation bulb designed to enhance comfort while inflating a cuff. The DS48 Classic aneroid plugs directly into an integrated cuff, providing a more robust design that is twice as shock resistant as the current DS44 and DS45 Integrated gauges from Welch Allyn. The gauge rotates 360º for easy viewing from any angle.

The DS48A Classic pocket-style aneroid is lightweight and will not weigh down a cuff on a patient’s arm.

Maintain Accurate Blood Pressure Readings with Lower Lifetime Cost

Welch Allyn's complete line of aneroid sphygmomanometers incorporating our shock-resistant DuraShock technology offers practical benefits compared to traditional aneroid sphygmomanometers. With our free DuraShock technology, you can count on Welch Allyn gauges to:

- Remain in calibration longer than traditional blood pressure gauges, providing you with readings that maintain accuracy over time.
- Not need to be replaced as often as traditional aneroids, giving you a lower lifetime cost.
- Be capable of passing AAMI's shock resistant specification of surviving a 76 cm drop from a hard surface and remaining in calibration.

Gold Series

Welch Allyn DS45 Integrated
This DS45 Integrated features a unique integrated, cuff-mounted design that is compact and lightweight for ease of use. The gauge rotates 360º for easy viewing from any angle. A bumper around the dial provides added protection, and a large inflation bulb makes inflation easy.

The DS45 is available with four optional color bumpers for variety—blue, purple, red, and green.