

What is Covered:

Calibration, repair, or replacement of parts and labor.

What is not covered:

Transportation charges. Damage caused by abuse, misuse, accident, or negligence. Incidental, special, or consequential damages. Some states do not allow the exclusion or limitation of incidental, special, or consequential damages, so this limitation may not apply to you.

Implied Warranty:

Any implied warranty shall be limited in duration to the terms of this warranty and in no case beyond the original selling price (except where prohibited by law). This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To Obtain Warranty Service:

Send item(s) postage paid to Warranty Service Center indicated below. Please include your name and address, daytime phone no., proof of purchase, a brief note explaining the problem, and \$2.00 to cover the cost of return shipping and handling.

Send products in need of service to:

Warranty Service Center, 55 Commerce Drive, Hauppauge, NY 11788



Caution - Federal law restricts this device to sale by or on the order of a physician or licensed healthcare practitioner.



Warning - A warning statement in this manual identifies a condition or practice which, if not corrected or discontinued immediately could lead to patient injury, illness, or death.



Warning - Safety and effectiveness with neonate cuff sizes 1 through 5 is not established.



Warning - For all blood pressure systems that can be wall mounted (Diagnostix™ 750W), ensure that the unit is securely mounted prior to use to avoid damage to the instrument and potential patient injury.



Caution - Do not allow a blood pressure cuff to remain on arm for more than 10 minutes when inflated above 10 mmHg. This may cause patient distress, disturb blood circulation, and contribute to the injury of peripheral nerves.



Warning when used institutionally - If luer lock connectors are used in the construction of tubing, there is a possibility that they might be inadvertently connected to intravascular fluid systems, allowing air to be pumped into a blood vessel.



Caution - To obtain the greatest accuracy from your blood pressure instrument, it is recommended that the instrument be used within a temperature range of 50°F (10°C) to 104°F (40°C), with a relative humidity range of 15-90% (non-condensing).

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USE, CARE, & MAINTENANCE OF YOUR ADC SPHYGMOMANOMETER

INTENDED USE

ADC® aneroid sphygmomanometers are used by professional healthcare providers and individuals trained in auscultatory blood pressure technique to determine systolic and diastolic blood pressure in humans and animals.

PARTS AND ASSEMBLY

This booklet contains operating and maintenance information for aneroid sphygmomanometers. This product is assembled in accordance with Figure 4 on page 3. Replacement parts are available. Please read and retain. Contact our Customer Service department at 1-800-232-2670 for the items appropriate for your unit.

MEASUREMENT PROCEDURE**1. Patient Position**

The patient should sit or lie comfortably. The arm should be supported on a flat surface at heart level. (If the arm's position varies, or is not level with the heart, measurement values obtained will not be consistent with patient's true blood pressure). Observer should view manometer (gauge) in a direct line to avoid "parallax error".

2. Apply the cuff

- 2.1 Place the cuff over the bare upper arm with the end containing the bladder over the brachial artery.
- 2.2 The bottom edge of the cuff should be positioned approximately one inch above the inner elbow.
- 2.3 Wrap the end of the cuff not containing the bladder around arm snugly and smoothly and engage adhesive strips.

Note for models with D-ring Cuff: (780, 785, 790 series) *D-ring cuffs may be self-applied. Position the cuff on a table with the hook and loop adhesive side down. Pass the end of the cuff through the metal ring so that a loop is formed. The hook and loop closure must be facing outward. (Ignore this step if the cuff has already been prepared.) Slide the cuff onto your arm and tighten using your free hand. Position the cuff as described in Section 2.*

Note: *If the unit is equipped with a calibrated nylon cuff (775 series) featuring Index and Range markings, a correct fit may be verified by checking that the Index Line falls between the two Range Lines. (See Figure 1)*

3. Inflate the cuff

- 3.1 Close the deflation valve by turning the thumbscrew clockwise.
- 3.2 Feel the radial artery while inflating the cuff. Be sure to inflate cuff quickly by squeezing bulb rapidly.
- 3.3 Inflate cuff 20 to 30mmHg above the point at which the radial pulse disappears.

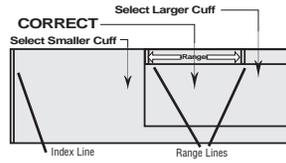


Figure 1

4. Position the Stethoscope

Position the chestpiece in the 1" space between the cuff and inner elbow. (**Note:** some models designed for home use are supplied with an attached chestpiece to simplify use.) Use the bell side of a combination stethoscope for clearest detection of the low pitched Korotkoff (pulse) sounds.

5. Deflate the cuff

Open the valve to deflate the cuff gradually at a rate of 2-3mmHg per second.

6. Measurement

Record the onset of Korotkoff sounds as the systolic pressure, and the disappearance of these sounds as diastolic pressure. (Some healthcare professionals recommend recording diastolic 1 and diastolic 2. Diastolic 1 occurs at phase 4). After measurement is completed, open valve fully to release any remaining air in the cuff. Remove cuff.

CLEANING AND MAINTENANCE

Cuff and Nylon Case (where provided):

Sponge with a damp cloth. If necessary, it can be washed in cool water with mild soap or detergent-disinfectant. Remember to remove bladder from cuff prior to washing. After washing, it should be rinsed and allowed to air dry. **NEVER IRON.**

Bladder and Bulb:

Wipe with a damp cloth. To help preserve it from cracking or discoloring, wipe with a soft cloth moistened with ethanol.

Valves:

Clean the surface with a dry fabric such as a soft cotton material. If valve becomes clogged, remove the interior gasket with a thin blunt pick. Check for dirt, dust, hair,

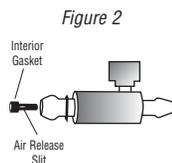


Figure 2

or other debris in both chamber and air release slit that could impede proper function. (See Figure 2).

Leatherette Case (where provided):

Wipe with a damp cloth and dry thoroughly with a dry cloth. If necessary, it can be washed with cool water and mild soap. Do not allow to air dry.

Gauge: Wipe with a dry cloth. **NEVER DISASSEMBLE!**

GAUGE CALIBRATION

Should the indicator needle of the manometer rest outside of this calibration mark, then the manometer must be recalibrated to within +/-3 mmHg when compared to a certified reference standard. No manometers that have their indicator needle resting outside of this mark are acceptable for use. (See Figure 3).

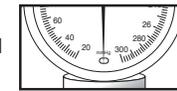


Figure 3

INSERTING BLADDER INTO CUFF

To insert the bladder into the cuff, roll bladder into a tube starting from long edge opposite tubing. Insert left edge of bladder into cuff opening (at bottom edge of cuff) until it is completely inside. Shake cuff until bladder fully unravels. For deluxe models, thread tubes through smaller openings (from inside of cuff out) and tuck flap in to secure bladder. To make sure that bladder fills compartment, inflate by mouth.

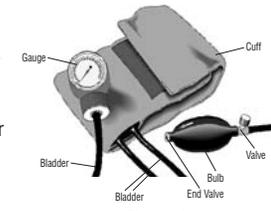


Figure 4

Latex-free options are available on some models.

To order latex-free version, ADD "LF" suffix to model number (i.e., 775LF)

CAUTION - Unless otherwise indicated, these products contain natural rubber latex, which may cause allergic reactions.

LIMITED WARRANTY

American Diagnostic Corporation (ADC) warrants its products against defects in materials and workmanship under normal use and service as follows:

1. **Warranty service extends to the original retail purchaser only and commences with the date of delivery.**
2. **The entire sphygmomanometer is warranted for one year.**
3. **The manometer is warranted to remain accurate to ± 3 mmHg over its full range when compared to a reference standard for 10 years.**