

Aneroid Sphygmomanometer with Adult Velcro Cuff

Instructions for Use

Diagnostic Equipment

Intended use

Manual aneroid dial-gauge blood pressure device used with a stethoscope to measure blood pressure by the auscultatory method.

Intended users

Trained healthcare professionals such as physicians, nurses and medical assistants, and supervised students. For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- Use a cuff of the correct size for the patient's arm. The supplied cuff is a standard adult size; a wrong size can give inaccurate readings.
- Do not leave the cuff inflated on the patient longer than needed for the measurement.
- Do not apply the cuff over a wound, an IV line, an arteriovenous fistula, or on the arm on the side of a mastectomy.
- Do not over-inflate the cuff beyond the gauge range.
- Check that the needle rests at zero before each use. Do not use a gauge that does not return to zero.
- Do not drop the gauge; shocks can affect accuracy.
- Interpretation of readings is the responsibility of the clinician.

2. Package contents

- Aneroid gauge
- Adult cuff
- Inflation bulb
- Control valve
- Connecting tubing
- User manual

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Type	Aneroid (dial-gauge) manual sphygmomanometer
Measuring range	0-300 mmHg
Accuracy	+/- 3 mmHg (as listed)
Cuff	Standard adult cuff with Velcro fastening
Control valve	Precision control valve
Finish	Plated exposed metal parts, painted body

4. Unpacking and setup

- 1 Check that the cuff, tubing, bulb and valve are connected securely.
- 2 Inspect the cuff, bladder and tubing for cracks, leaks or wear.
- 3 Check that the gauge needle rests within the zero mark with the cuff deflated.
- 4 Choose a quiet place and have the patient seated comfortably with the arm supported at heart level, per your clinical protocol.

5. Operation

Applying the cuff

- 1 Expose the upper arm; remove tight clothing from the area.
- 2 Locate the brachial artery at the inner elbow.
- 3 Wrap the deflated cuff snugly around the upper arm, with the artery marker (if present) over the brachial artery and the lower edge above the elbow crease.
- 4 Fasten the Velcro securely so the cuff does not loosen during inflation.
- 5 Position the gauge so it can be read straight on.

Taking a measurement

- 1 Place the stethoscope chest piece over the brachial artery below the cuff.
- 2 Close the control valve and squeeze the bulb to inflate the cuff to the level required by your clinical protocol.
- 3 Open the control valve slightly to release pressure slowly and steadily, at the rate set by your clinical protocol.
- 4 Listen for the sounds and note the gauge readings for systolic and diastolic pressure per your clinical protocol.
- 5 Open the valve fully to deflate the cuff completely.
- 6 Remove the cuff and record the readings, the arm used and the patient position.
- 7 Wait before repeating a measurement on the same arm, per your clinical protocol.

6. Cleaning and disinfection

- Wipe the gauge, bulb and tubing with a cloth dampened with a mild disinfectant.
- Remove the bladder from the cuff, if removable, before cleaning the cuff cover per facility protocol.
- Clean and disinfect between patients per facility protocol. Do not autoclave unless labeled as autoclavable.
- Do not immerse the gauge in liquid.
- Allow all parts to dry fully before storage.

7. Maintenance and storage

- Store with the cuff fully deflated, in a clean, dry place away from extreme heat and direct sunlight.
- Avoid sharp bends in the tubing during storage.
- Check the gauge for zero before each use and have accuracy verified periodically per your facility's maintenance schedule.
- Replace worn cuffs, bulbs, valves or tubing.

8. Troubleshooting

Problem	Likely cause	What to do
Needle not at zero at rest	Gauge out of calibration or damaged	Take the gauge out of service and have it checked or recalibrated.
Cuff will not inflate	Control valve open or leak in the system	Close the valve fully; check the tubing, bulb and bladder for leaks.
Pressure drops too fast	Valve open too far or leak	Close the valve partly; check connections for leaks.
Pressure will not release	Control valve blocked or closed	Open the valve fully; if blocked, disconnect the tubing to release pressure and replace the valve.
Cuff opens during inflation	Velcro worn or cuff applied loosely	Reapply the cuff snugly; replace the cuff if the Velcro is worn.
Needle jumps or sticks	Gauge damaged	Stop using the gauge and have it checked.

9. Disposal

- Clean and disinfect before disposal.
- Dispose of the device in accordance with local regulations for metal and plastic waste.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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