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Model No. ....	Lot No. ....
Invoice No. ....	Date of Purchase .....
Purchased by : .....	Contact No. ....
Address .....	
Dealer Name .....	
Dealer Sign & Stamp	

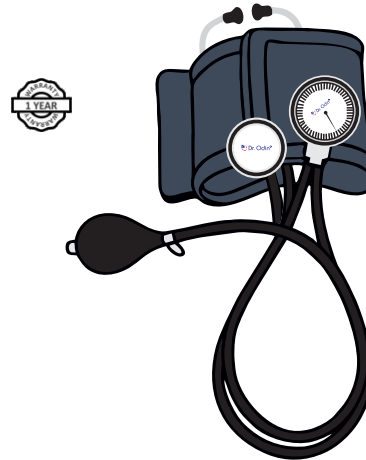


**Passim Lifesciences Ltd.**  
Plot No. 45, Ind. Area, Phase-II,  
Panchkula - 134113 (HR) - INDIA  
**MFG Lic. No.:** .....

Marketed by:  
**Odin Healthcare Pvt. Ltd.**  
Plot No. 45, Industrial Area, Phase-II  
Panchkula (HR)- 134113  
**For any Complaint/ Suggestion  
please contact :**  
**Customer Care No.:** 1800 309 3009  
(Timing: 9am -7pm, Mon. - Sat.)  
**Email ID:** customercare@droidin.in  
**Website:** www.droidin.in



# ANEROID SPHYGMOMANOMETER Model No. OAS102 INSTRUCTION MANUAL



\* Please read instruction manual before use

### Intend Use

An aneroid sphygmomanometer is used by professional healthcare providers and individuals trained in the auscultatory blood pressure technique to determine systolic and diastolic blood pressure in human.

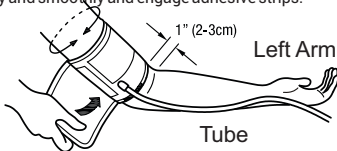
**Description :** Aneroid sphygmomanometer consists of an aneroid manometer (gauge), complete inflation system, (inflation bladder, squeeze bulb and the control valve), a zippered leather bag and operating instructions. Aneroid sphygmomanometer measures blood pressure non-invasively by displaying the pressure in a cuff wrapped around a patient's arm. The systolic and diastolic pressure is usually assessed by listening to Korotkoff sounds generated by arterial blood flow using a stethoscope simultaneously.



### Measurement Procedure

1. Patient Position The patient should sit or lie comfortably. The arm should be fully supported on a flat surface at heart level. (If arm's position varies, or is not level with the heart, measurement values obtained will not be consistent with the patient's true blood pressure). When seated, the patient should have their back and arm supported, and their legs should not be crossed. The patient should relax prior to measurement comfortably for five (5) minutes and should refrain from talking or moving during measurement. Observer should view manometer in a direct line to avoid "Parallax error".

2. Apply the cuff Nylon cuffs are specially designed to promote the precisely accurate determination of blood pressure. Index and range markings ensure use of the correct cuff size. The artery marking indicates proper cuff positioning. Place the cuff over the bare upper arm with the artery mark positioned directly over the brachial artery. The bottom edge of the cuff should be positioned approximately (1") one inch (2-3cm) above the antecubital fold. Wrap the end of the cuff not containing the bladder around the arm snugly and smoothly and engage adhesive strips.



(Figure 1)

3. Inflate the cuff Close the valve by turning thumbscrew clockwise. Palpate the radial

artery while inflating the cuff. Be sure to inflate cuff quickly by squeezing bulb rapidly. Inflate cuff 20-30 mmHg above the point at which the radial pulse disappears.

4. Position the Stethoscope Position the chestpiece in the antecubital space below the cuff, distal to the brachium. Do not place chestpiece underneath the cuff, as this impedes accurate measurement. Use the bell side of a combination 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 2-3 mmHg per second.

6. Measurement Record the onset of Korotkoff sounds as the systolic pressure, and the disappearance of these sounds as diastolic pressure. After measurement is completed, open valve fully to release any remaining air in the cuff. Remove cuff.

### Care and Maintenance

**Manometer :** Aneroid gauge requires minimal care and maintenance. The manometer may be cleaned with a soft cloth but should not be dismantled under any circumstances. Gauge accuracy can be checked visually; simply be certain the needle rest at zero position when the unit is fully deflated . A manometer whose indicator needle is not resting at zero point, is not acceptable for use.

### Cuff Cleaning and Disinfecting

Use one or more of the following method and allow to air dry:

- Wipe with 70% isopropyl alcohol
- Wipe with .5% bleach and water solution.
- **CAUTION :** Do not iron cuff.
- **CAUTION :** Do not heat or steam sterilize cuff

**STORAGE :** After measurement, fully exhaust cuff then wrap cuff around gauge and bulb and store in zippered leather carrying case.

**Disposal** When your sphygmomanometer has reached its end of life, please be sure to dispose of it in accordance with all regional and national environmental regulations.

### General Warnings

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 :** Do not allow a blood pressure cuff to remain on patient 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. or death.

**WARNING :** Safety and effectiveness with neonate cuff sizes 1 through 5 is not established.

**WARNING :** If this equipment is modified, appropriate inspection and testing must be conducted to ensure its continued safe use.

**WARNING :** Do Not apply cuff to delicate or damaged skin. Check cuff site frequently for irritation.

**WARNING :** Only use the cuff when the range marking indicated on the cuff show that the proper cuff size is selected, otherwise erroneous readings may result.

**WARNING :** Allow space between patient and cuff. Two fingers should fit in this space if the cuff is correctly positioned.

**WARNING :** Do not apply to limbs used for IV infusion.

**WARNING :** Patient should remain still during measurement to avoid erroneous readings.