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> ADC Pro's Combo III Adult Pocket Aneroid/Clinician Scope Kit Instruction Manual

ADC 778-603-11ABD

ADC Pro's Combo III Adult Pocket Aneroid/Clinician Scope Kit

Model: 778-603-11ABD

Brand: ADC

1. INTRODUCTION

The ADC Pro's Combo III kit provides essential diagnostic tools for medical professionals and students. This kit includes a precision-crafted Prosphyg 778 Blood Pressure Sphygmomanometer and an Adscope 603 Clinician Stethoscope, along with a color-matched carrying case. This manual provides instructions for the proper use, care, and maintenance of your diagnostic kit.



Image 1: ADC Pro's Combo III Kit, showcasing the sphygmomanometer, stethoscope, and carrying case.

Your browser does not support the video tag.

Video 1: An unboxing video demonstrating the contents of the Pro's Combo Sphygmomanometer and Stethoscope kit.

2. COMPONENTS OVERVIEW

Your ADC Pro's Combo III kit includes the following primary components:

- **Prosphyg 778 Blood Pressure Sphygmomanometer:** A pocket aneroid manometer with a chrome housing and luminescent dial, paired with an Adcuff inflation system.
- **Adscope 603 Clinician Stethoscope:** Features a combination diaphragm/bell chestpiece made from surgical stainless steel, a clinician headset with flexible PVC tubing, stainless binaurals, and Adsoft Plus snap-on silicone eartips.
- **Oversized Carrying Case:** A color-matched nylon case designed to store and protect your diagnostic tools.
- **Accessories:** Includes a scope ID tag and two additional pairs of Adsoft Plus eartips.



Image 2: The ADC Pro's Combo III kit as packaged, showing the sphygmomanometer, stethoscope, and cuff.



Image 3: Close-up view of the Adscope 603 Clinician Stethoscope, highlighting the chestpiece and eartips.



Image 4: Detailed view of the Proshygy 778 Blood Pressure Sphygmomanometer gauge.

3. SETUP AND ASSEMBLY

Before first use, ensure all components are present and in good condition. The kit is largely pre-assembled, but a few steps may be necessary.

1. **Unpack Components:** Carefully remove the sphygmomanometer, stethoscope, and carrying case from their packaging.
2. **Inspect Stethoscope Eartips:** Ensure the Adsoft Plus silicone eartips are securely attached to the binaurals. Replace if damaged or missing using the provided spares.
3. **Connect Cuff and Manometer:** The Adcuff is typically pre-connected to the manometer. Verify the tubing is securely attached to both the cuff and the manometer's air release valve.
4. **Familiarize Yourself with the Carrying Case:** The oversized nylon carrying case is designed for convenient storage and transport of your kit.

4. OPERATING INSTRUCTIONS

4.1. Using the Prosphyg 778 Sphygmomanometer

The Prosphyg 778 is designed for accurate blood pressure measurement.

1. **Cuff Placement:** Select the appropriate Adult nylon Adcuff. The cuff features a Size Guide marking system to ensure correct placement and prevent miscuffing. Position the cuff on the patient's arm, ensuring the artery marker aligns with the brachial artery. The cuff should fit limbs from 9" to 15.7" (23-40 cm).
2. **Inflation:** Close the Adflow chrome-plated brass air release valve by turning it clockwise. Inflate the cuff by squeezing the bulb until the manometer reads approximately 20-30 mmHg above the expected systolic pressure.
3. **Deflation:** Slowly open the air release valve by turning it counter-clockwise. The micro-threads allow for precise deflation control, typically at a rate of 2-3 mmHg per second.
4. **Reading:** Observe the manometer dial as the pressure decreases. Note the systolic pressure (first sound) and diastolic pressure (last sound) using your stethoscope.



Image 5: Table illustrating various Adcuff sizes and their corresponding arm circumference ranges.

4.2. Using the Adscope 603 Stethoscope

The Adscope 603 is designed for clear auscultation of body sounds.

1. **Eartip Insertion:** Gently insert the Adsoft Plus silicone eartips into your ears, ensuring a comfortable and secure fit. The eartips are designed for an acoustic seal.
2. **Chestpiece Selection:** The Adscope 603 features a combination diaphragm/bell chestpiece. Rotate the chestpiece to select either the diaphragm or the bell. The diaphragm is ideal for higher frequency sounds, while the extra-large

bell provides an unsurpassed low-frequency response.

3. **Auscultation:** Place the selected side of the chestpiece firmly on the patient's skin over the area to be auscultated (e.g., heart, lungs, arteries). Listen carefully for the desired sounds.

5. CARE AND MAINTENANCE

Proper care ensures the longevity and accuracy of your ADC diagnostic kit.

- **Cleaning the Cuff:** The Adcuff is reusable. Clean the cuff regularly with a mild disinfectant solution and allow it to air dry completely. Do not immerse the manometer in liquid.
- **Cleaning the Stethoscope:** Wipe the stethoscope tubing, chestpiece, and binaurals with an alcohol wipe or mild disinfectant. Remove eartips for thorough cleaning if necessary.
- **Manometer Care:** The Adflow filter screen check and deflation valves help reduce dust build-up. Keep the manometer clean and free from debris.
- **Storage:** Store all components in the provided oversized carrying case when not in use. This protects the instruments from damage and dust.



Image 6: The color-matched nylon carrying case for storing the diagnostic kit components.

6. TROUBLESHOOTING

If you encounter issues with your ADC Pro's Combo III kit, consider the following common solutions:

- **Inaccurate Blood Pressure Readings:**

- Ensure the correct cuff size is used and properly positioned on the arm.
- Check for leaks in the cuff or tubing.
- Verify the air release valve is functioning correctly.

- **Poor Stethoscope Sound Quality:**

- Confirm eartips are securely attached and form a tight seal in your ears.
- Ensure the chestpiece is rotated to the desired side (diaphragm or bell) and is firmly against the skin.
- Check for blockages in the tubing or chestpiece.

- **Manometer Not Holding Pressure:**

- Tighten all connections between the cuff, tubing, and manometer.
- Inspect the cuff and tubing for any punctures or damage.
- Ensure the air release valve is fully closed before inflation.

If problems persist, refer to the warranty and support section for further assistance.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	9 x 2.25 x 5.25 inches
Item Weight	12.2 ounces
Manufacturer	ADC
Item Model Number	778-603-11ABD
Date First Available	January 16, 2009
Sphygmomanometer Type	Pocket Aneroid, Luminescent Dial
Cuff Type	Adult Nylon Adcuff (9"-15.7" / 23-40 cm)
Stethoscope Type	Adscope 603 Clinician, Combination Diaphragm/Bell
Materials	Surgical Stainless Steel (chestpiece), Flexible PVC Tubing, Stainless Binaurals, Silicone Eartips, Nylon Cuff
Latex/Phthalate Free	Yes
Assembly Location	Assembled, inspected, and packaged in the USA

8. WARRANTY AND SUPPORT

ADC stands behind the quality of its products:

- **Sphygmomanometer Warranty:** Includes a lifetime calibration warranty and a three-year system warranty.
- **Adscope Stethoscope Warranty:** Features a lifetime warranty and free parts forever.

For warranty claims, technical support, or replacement parts, please contact ADC directly. Refer to the product packaging or the official ADC website for current contact information.

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