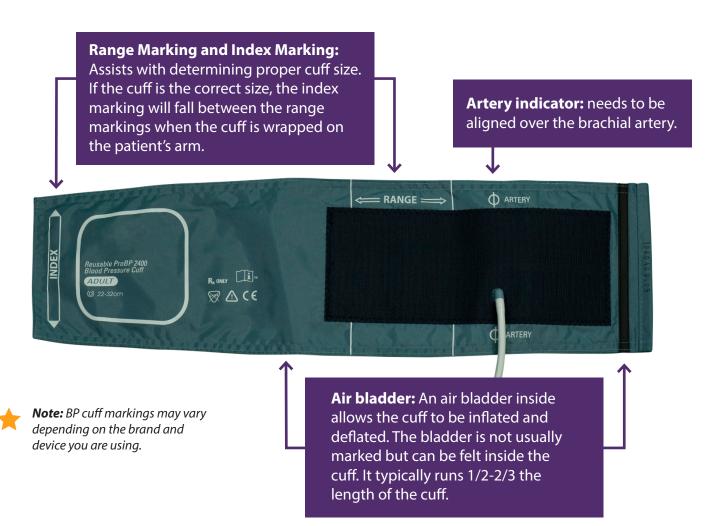


Upper arm BP cuff





Manual BP Device



+ PROS	– CONS
+ Convenient	– Errors are often caused by improper technique
+ Widely available	– Frequent calibration is required, especially portable devices
	 Wall-mounted devices may not be set up for proper positioning
	 Presence of a medical professional is required which may lead to higher measurements

^{*}Should be calibrated for accuracy and checked for leaks by a biomedical or clinical engineer. Calibration should occur every 6 months for wall-mounted devices and more frequently for mobile and portable devices.



Semi-automated BP device

- Easy start and stop of measurement with a press of a button
- Pressure settings for cuff inflation
- Memory for multiple measurements
- Refer to the device manual for more information about the features of your specific device



+ PROS	– CONS
+ Consistently inflates to appropriate levels and deflates at correct speeds + Devices validated for clinical accuracy are available	 A medical professional must be present Usually doesn't average multiple readings
+ Obtains accurate measurements more easily than the manual method	

^{*}Should be calibrated for accuracy and checked for leaks (cuff bladder, tubing) at least once every 12 months by a biomedical or clinical engineer.



Automated BP device

- Easy measurement with a press of a button
- Pressure settings for cuff inflation
- Programmable to take multiple measurements
- Calculates average readings
- Refer to manuals for your device for more information about the features of your specific device



+ PROS	– CONS
+ Consistently inflates to appropriate levels and deflates at correct speeds	Currently not widely used in most health care settings
+ Devices validated for clinical accuracy are available	
+ Obtains accurate measurements more easily than the manual method	
+ Can measure and average multiple BPs, with or without staff present in the room, in approximately 5 minutes	
+ The average of 3 consecutive BP measurements taken using AOBP correlates well with daytime mean BP obtained during 24-hour ABPM (gold standard of BP measurement)	

^{*}Should be calibrated for accuracy and checked for leaks (cuff bladder, tubing) at least once every 12 months by a biomedical or clinical engineer.