	Service Note	SCHILLER The Art of Diagnostics

Note: sn00740e	Date: 08.08.2025

Unit: ARGUS PB3000	Our Ref: ASCH
Software: ALL	Hardware: ALL
Description: NIBP Test Procedure	
☒ mandatory ☐ where necessary ☐ as information ☐	

Information:

General test description

To confirm the device is functioning correctly and remains safe for use, it must be capable of inflating the cuff to at least 290 mmHg in measurement mode.
If the device reaches a pressure of 290 mmHg or higher in measurement mode and initiates deflation as part of the normal measurement process—not due to activation of the overpressure valve—then the device is considered unaffected and safe to use.

Test procedure using a patient simulator

1. **Connect the patient simulator**
   - Attach the patient simulator with the NIBP connector of the PB-3000 device.

2. **Setting the Pressure**
   - On the patient simulator set the systolic pressure to 290 mmHg.

3. **Start Measurement**
   - Initiate the NIBP measurement process. Make sure and confirm that the pressure reaches at least 290 mmHg.

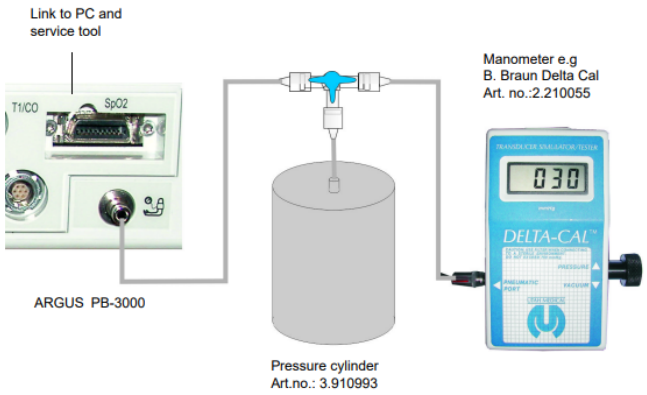
4. **Check for Error Message**
   - If “Pressure Sensor Defective (53)” or correlating error message as implemented by the host system is displayed, the PB-3000 is affected and must be returned to Schiller Baar for re-adjustment of the pressure sensors.

Test procedure using a pressure cylinder without a patient simulator

1. **Test setup**
   - Prepare testing by ensuring a correct test setup according to the Implementation and Service guide, Chapter 9.6.

9.6.1 Test setup

The pressure cylinder has to be connected with a T-Pieces and 2 small hoses (like NIBP Connector hose). See scheme below.



2. **Setting the Pressure**
   - In the Host Application Software, set the initial pressure to 300 mmHg.
   - If this setting is not available, connect the PB-3000 to ApPod Viewer and set the initial pressure to 300 mmHg and deflation rate to 5.

3. **Start Measurement**
   - Initiate the NIBP measurement process and make sure the pressure displayed on the Manometer reaches at least 290 mmHg.

4. **Check for Error Message**
   - If “Pressure Sensor Defective (53)” or correlating error message as implemented by the host system is displayed, the PB-3000 is affected and must be returned to Schiller Baar for re-adjustment of the pressure sensors.

Test procedure using a NIBP cuff without a patient simulator

1. **Connect the NIBP Cuff**
   - Attach an adult NIBP cuff with a 3.5-meter tube to the PB-3000 device.

2. **Apply the Cuff**
   - Wrap it around a hard cylindrical item (i.e. NIBP mandrel) with a circumference appropriate for the cuff size.

3. **Setting the Pressure**
   - In the Host Application Software, attempt to set the initial pressure to 300 mmHg.
   - If this setting is not available, connect the PB-3000 to ApPod Viewer and set the initial pressure to 300 mmHg and deflation rate to 5.

4. **Start Measurement**
   - Initiate the NIBP measurement process and make sure the pressure reaches at least 290 mmHg.
   - If the inflation aborts prior to reaching the set initial pressure, the test must be repeated (newly set initial pressure to 300 mmHg).

5. **Check for Error Message**
   - If “Pressure Sensor Defective (53)” or corelating error message as implemented by the host system is displayed, the PB-3000 is affected and must be returned to Schiller Baar for re-adjustment of the pressure sensors.