

Title: DINAMAP Pro Series	Date: April 2, 2012
By: GE (was J&J Critikon)	DISCLAIMER: THIS PROCEDURE PROVIDED "AS IS" AND WITH POSSIBLE FAULTS. USER MUST VERIFY BEFORE USE. NEITHER PROVIDER NOR WEBSITE ASSUMES ANY RESPONSIBILITY FOR ITS USE.
File = DynamapPro100-400	

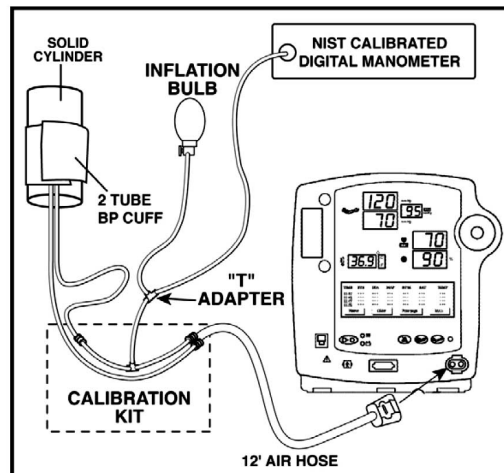
1. General
Applies Dinamap Pro 100 - 400.
2. Reference Documents
Operator's Manual Part No. 776995C
Service Manual Part No. 2018553-001
3. Tools
Digital Manometer, Blood Pressure Simulator, Temperature Calibration Key
4. Accessories
Temperature probe, SP02 probe, cuff with hose.
5. Basic PM Procedure



- 5.1. Physical Inspection
If necessary, wipe down with a weak disinfectant or a 5-10% bleach solution (careful around the buttons). Check case, power cord, accessory cords, and hoses for integrity. If the Battery icon begins to flash at any point during the procedure, connect the unit to an AC outlet and charge the battery for 2 hours.
- 5.2. Turn-on
As the Monitor powers up, it will run a short self-test routine, which will flash all the indicator lights and then beep the warning speaker.
- 5.3. Time and Date Check/Change
Use the rotary selector to choose Main, More, then Config, then Time in order to set the date and time.



- 5.4. NIBP Check
Use a Simulator if available to check performance. If not available, verify the pressure accuracy and non-leak integrity of the unit as detailed in the step "Pressure Accuracy" below. Then perform a routine automatic NIBP check on a simulator or human subject to verify pumping and valve bleed functionality.
- 5.5. SpO2 Functional Check (supplied only on the 300 and 400 versions).
Assuming no simulator is available, as a reference, the average healthy person will normally measure in the high 90's. Also, note that the heart rate display section will indicate the subject's heart rate.



5.6. Temperature Accuracy Check

Not supplied only on the 300 model version, these units use ALARIS temperature probes.

Note: Temperature Readout The default, which is Celsius, can be changed to degrees F in the Clinician Menu (see Appendix).

An alternate reference is a glass of lukewarm water with a known temperature between 90 and 104 degrees F. Monitor results can be checked in either the Predictive mode or the Monitor mode. It may be necessary to switch to Monitor mode.

5.7. Pressure Accuracy Check

Connect the monitor as shown to a calibrated pressure meter, an air reservoir, and an inflation bulb as shown in the illustration at right.

1. Set up the unit and calibration equipment as shown in Figure 4-1.
2. Power on the PRO Monitor and select More...
3. Select the Service mode and input 2 2 1 3.
4. From the Service menu, select the NIBP button.
5. From the NIBP menu, select the Check button.

Note: Leak Check When pressurized, the unit should not leak more than 5mmHg/15secs when attached to a 100cc cylinder at 245 – 255 mmHg; per Service Manual.

6. Pressurize to slightly above 250 mmHg. Slowly bleed the pressure to approximately 250 mmHg, clamp, and record the pressure reading and the measurement standard. Repeat this step for 150 and 50 mmHg (approximate). If the differences between Dinamap and the pressure measurement standard are within ± 3 mmHg at all specified pressures, then the device is within calibration. If the device needs re-calibration, the procedures are included in the Dynamap Service Manual.

5.8. Printer Check

Open the printer door and verify that there is paper in the unit. Turn the rotor control until the "MORE" is displayed. Turn the rotor control until "SERVICE" is highlighted and then press the rotor control. Input the code "8378" by turning the rotor control until of the numbers is highlighted, then press the rotor control. Turn the rotor control until "PRINT" is highlighted and then press the rotor control. A readable test page must begin printing.

5.9. Battery Check Refer to service manual. Diagnostics can measure battery capacity.

APPENDIX

To enter Clinician Mode from the Main menu, use the rotor control and LCD.

1. Select the **More** button
2. Select the **Service** button.
3. Clinician Mode requires a four-digit code. Turn the rotor to highlight a number, and push to make a selection. Enter access code: 1 2 3 4. Refer to service manual for more information.

FINAL CHECKLIST	
Battery Check	
Cleanliness, Cracks	
Date, Time	
NIBP	
Temperature	
SP02	
Printer	
Electrical Safety	