

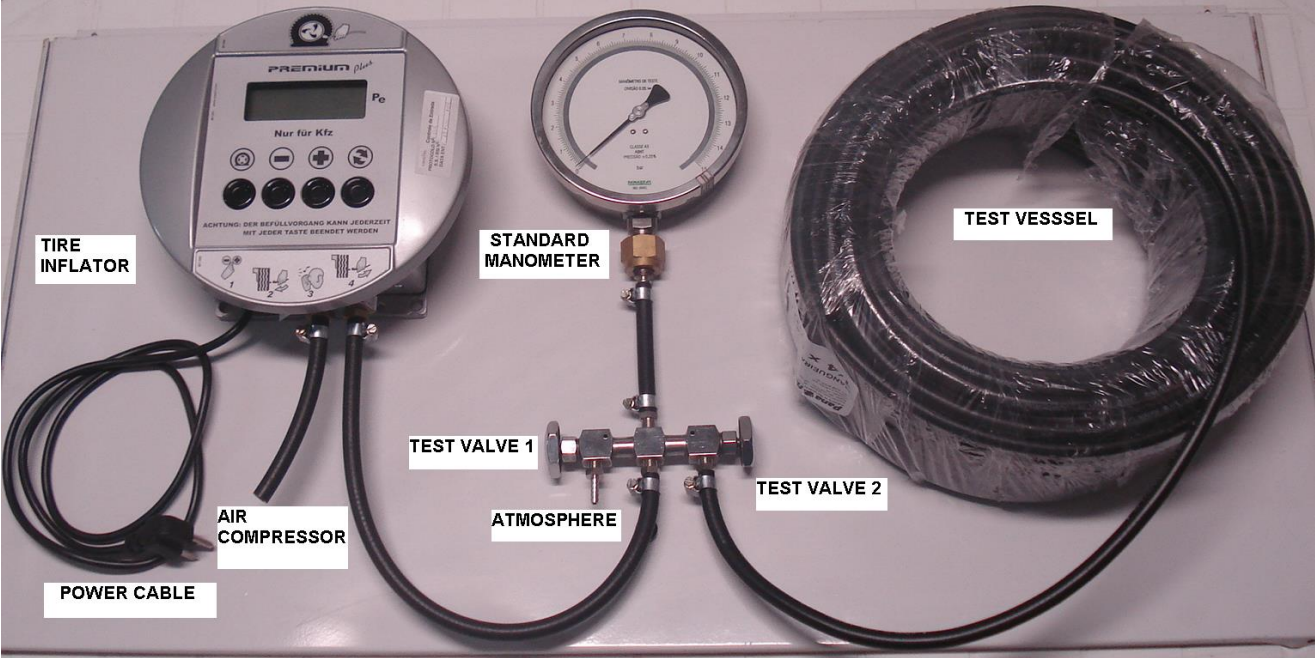
5 - PRESSURE SENSOR CALIBRATION PROCEDURE

- 5.1** Connect the equipment to the Calibration Apparatus indicated in ANNEXE 1. The Test Vessel and the Standard Manometer must tolerate the maximum pressure value of the air compressor, due safety reasons. The Test Vessel must be a close vessel. A good suggestion is a hose roller with one closed end.
- 5.2** Open the equipment and remove the Jumper in the control PCB. After this, close the equipment.
- 5.3** Turn on the equipment in the Power Inlet. The equipment will work in the Pressure Sensor Calibration Mode.
- 5.4** The Display of the equipment will show the software version number by a short time period and immediately will show the pressure value read in the pressure sensor, with the last calibration.
- 5.5** Open Test Valve 1 and close Test Valve 2. The equipment will be connected to the Atmosphere.
- 5.6** Press the ARROWS key. The Display will show the pressure value read in the pressure sensor, without any calibration.
- 5.7** Press the FLAT TIRE key. The Alarm of the equipment will beep 3 times.
- 5.8** Close Test Valve 1 and open Test Valve 2. The equipment will be connected to the Test Vessel.
- 5.9** The PLUS key of the keyboard will turn on the Air Inlet Valve, which connect the Air Compressor to the Test Vessel.
- 5.10** The MINUS key of the keyboard will turn on the Air Outlet Valve, which connect the Test Vessel to the Atmosphere, by the equipment.
- 5.11** Using the PLUS and the MINUS keys, adjust the pressure value into the Test Vessel and the Standard Manometer to 8.00 bar (116 psi, 800 kPa).
- 5.12** Press the FLAT TIRE key. The Alarm of the equipment will beep 3 times again.
- 5.13** After this, the Display will shows the Temperature value in centigrades. Adjust the temperature using the PLUS and MINUS keys and one Calibrated Thermometer.
- 5.14** Press the ARROWS key. The Display will show the pressure value read in the pressure sensor, with the new calibration. Do not press the FLAT TIRE key anymore.
- 5.15** Verify if the pressure value shown in the display is equal to the pressure value shown in the Calibrated Manometer. Verify this in others pressure read points too.
- 5.16** The pressure sensor calibration procedure is finished. Turn off the equipment from the Power Inlet. Open the equipment. Replace the Jumper in the control PCB. Close the equipment.

Turn on the equipment in the Power Inlet. The equipment will work in the normal mode. Test the normal working of the equipment.

ANNEXE 1

CALIBRATION APPARATUS



JUMPER

CONTROL PCB

