

Main (Part 2) Service Overview - PX4000

Before any service is performed, a full system calibration is performed to insure the system is functional.

1. **SWITCH THE UNIT ON**, and allow it to warm up (30 - 45 minutes).
2. From the main calibration screen, you will have to perform two lots of testing, one for the GEM, and one for the BodyBox.
3. Check / Adjust the Gas pressures to 43 psi.
4. Go into **PlusRA**, **Sdasa-0 / Sdasa-1, Acquisition , Sample GEM MGA**, Check Channels 4 & 5 (**GMFL & GMLn = 0.0**).
5. While in **PlusRA** Check **Co & CH4**, and **CO2 & O2** have the correct values. (Difference 3.3v / O2 5v)
6. Now in **PlusRA** go to: **Devices, Sdasa-0 / Sdasa-1, Acquisitions , Sample BBx**, and check channels 1 to 5.

1.	Channel 1 - Line Pressure	GMLn	Should be 0.00	+ - 0.005v	Pot R32 Bodybox	Pot R20 GEM
2.	Channel 2 - Mouth Pressure	GMth	Should be 0.000	+ - 0.005v	Pot R11 Bodybox	Pot R23 GEM
3.	Channel 3 - Flow	GMFL	Should be 0.00	+ - 0.02v	Pot R41 Bodybox	Pot R11 GEM
4.	Channel 4 - Box Temp	Temp	0.23 = 23 oC			
5.	Channel 5 - Bar Pressure	GMBP	7.70 = 770 mbar			

6. Exit **PlusRA**, and go into the main **KoKo** calibration screen. Perform a full system calibration for GEM and BodyBox.
7. Now perform a biological control test.

If any calibration checks are out of range, perform a calibration as in a Part 1 service in **PlusRA**.