

Utilities - Direct Channel Read

Model 6310 PA - Ver 2.8A1
Hardware Version 8 , Firmware 8

Sample Station

- 1 - Direct channel read
- 2 - connect to Windows
- 3 - Power Cylinder Monitor
- 4 - discharge Battery
- 5 - Check for bad exe's
- 6 - Return to machine menu

Battery 10.1 V Jun 08 16:25:08 2007

Direct Channel Read – Select Sensor



Select Sensor – Select Channel



Select Channel – Meter Mode



This is an example of a 0-2000 psig sensor connected to channel 1. The Non Zero Adjusted (current mA) is the zero of the sensor and the Zero Adjusted is the new current mA once the Zero DC pressure sensor was applied.

The following section will help you determine if you have a bad sensor or if something else is wrong.

- 1.) If you are not getting any pressure readings from your pressure sensor, then you may have a bad sensor. To find out if the sensor is working properly, put your analyzer in direct channel read. Do this by pressing 7-Utilities followed by 1-Direct Channel Read. In this setting, you should be reading zero with nothing plugged in and you should read around 4mA with the sensor plugged in. If you don't read anything or have some reading other than 4mA when the sensor is plugged in, then you've got a bad pressure sensor. These same steps can be used to troubleshoot your ultrasonic also.
- 2.) If the sensor seems to work in direct channel read, then try taking a PT with the sensor by going to monitor mode. (Software version 2.4 and later) Do this by pressing 7-Utilities followed by 3-Power Cylinder Monitor. Then open your indicator port and follow the instructions on the screen and see if you get a PT.
- 3.) If you are running a version of software earlier than version 2.4, then you can check your sensor with O-scope mode. To do this, press 1-Data Collection Menu then 4-Special collection modes followed by 1- O-scope mode. You will then need to set the O-scope up for what you want to test. You can test any of your sensors in this mode.