

Offset Compensation Function

Running the compensation function with a sensor attached can cause hardware failure in the VibXpert. It can cause what appears to be a hardware failure, but not physically create one. The offset compensation function is only a software offset not a hardware offset. It measures voltage of the ports and creates software offset for those values. As a result, no inputs should be connected to the data collector when this function is being used. Once again, it will not create a hardware issue.

Example:

If you run the offset compensation function with a vibration sensor connected, then the VibXpert will measure the bias voltage of the sensor and create an offset factor to compensate. This would cause all the future vibration readings to read incorrectly. This may appear to be a hardware issue, but it is not. All that is required is to repeat the offset function with no vibration sensor connected. This will correct the offset values and the readings should return to normal. This is true for any connection on the VibXpert.

Running Offset Compensation

Step 1.	Turn on your VibXpert
Step 2.	Select the Device Setup icon
Step 3.	Using your joystick scroll down to the Service icon
Step 4.	Using the joystick select Offset Compensation
Step 5.	Select Start (you will be asked "Do you really want to start offset compensation?") select YES

Please, make sure that nothings connected to the VibXpert when the Offset function is used. This will make sure that the software offset values are created correctly