

Vacuum Circuit

The PGM includes an electronic circuit for measuring the vacuum present in the deadweight gauge reference chamber during absolute mode operation. This circuit must be calibrated periodically to ensure continued accuracy of the vacuum data. The vacuum circuit is calibrated using a precision external D.C. voltage. Refer to Chapter 9, Vacuum, of the WinPrompt User's Manual for details on the calibration operations. Connect the external voltage source as shown in Figure 4. It is recommended that the Vacuum circuits be recalibrated on a yearly cycle.

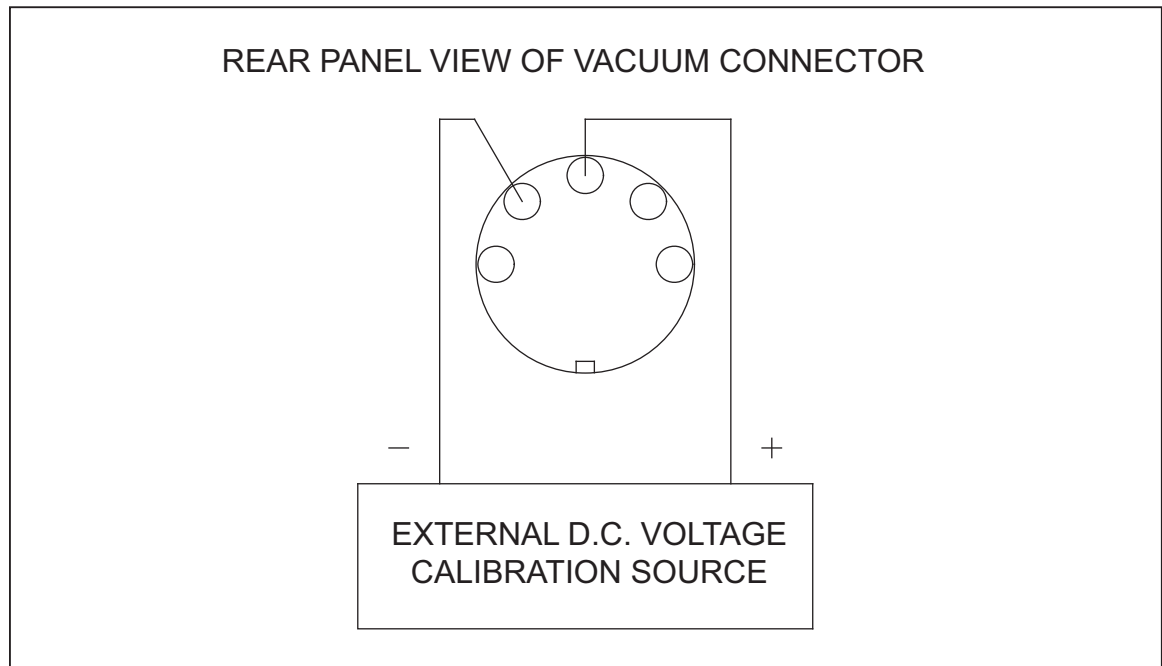


Figure 4. Connections to Rear Panel Vacuum Connector for Vacuum Circuit Calibration

gmc04.eps

Vacuum Sensor and Electronic Module

The vacuum sensor and control module are calibrated as a set. The sensor and electronic module are connected to the PGM after the vacuum circuit has been calibrated as described above. If adjustments to the vacuum sensor and electronic module are required, they are performed using the potentiometer in the end of the control module. It is recommended that the Vacuum sensor and electronic module be recalibrated on a yearly cycle.