

Vacuum Sensor Calibration

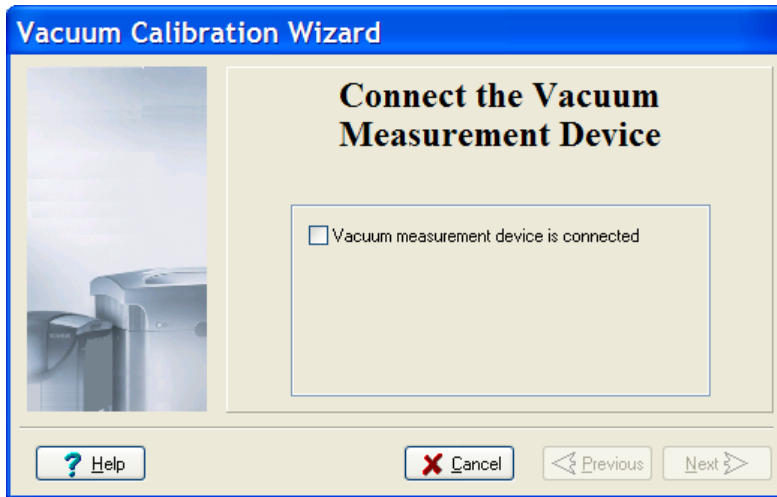
This wizard guides you through the calibration procedure for the vacuum sensor. It should take about 20 minutes.
Before clicking Next...

1. Prepare:

- Objet vacuum gauge (JIG-00065)
- vacuum tubing, at least 50 cm
- digital voltmeter, with insulated test clips
- 7-mm screwdriver
- 2-mm screwdriver
- needle-nose pliers

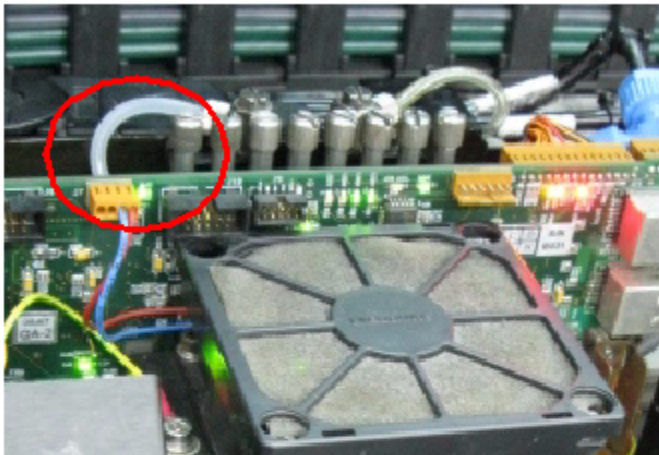
2. Fill the vacuum gauge with water to a height of 6 cm.

Make sure that there are no air bubbles in the gauge, which cause the water level on the left and right sides to be uneven. (The level on both sides should be 6 cm.)

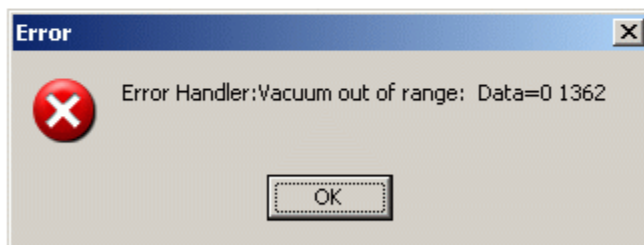


Connect the Vacuum Gauge

1. Disconnect the vacuum tube from the sensor at the print block.

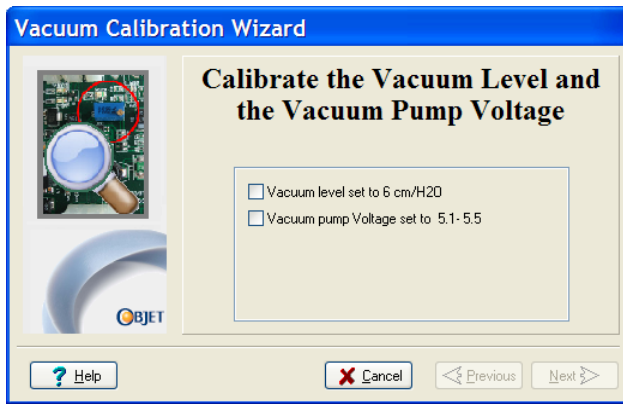


Note: Because the vacuum sensor is disconnected from the vacuum system, a warning message appears.



Click **OK** to close it.

2. Connect vacuum tubing from the print block to the vacuum gauge.
3. In the wizard screen, confirm that you have connected the vacuum gauge and click **Next**.



Calibrate

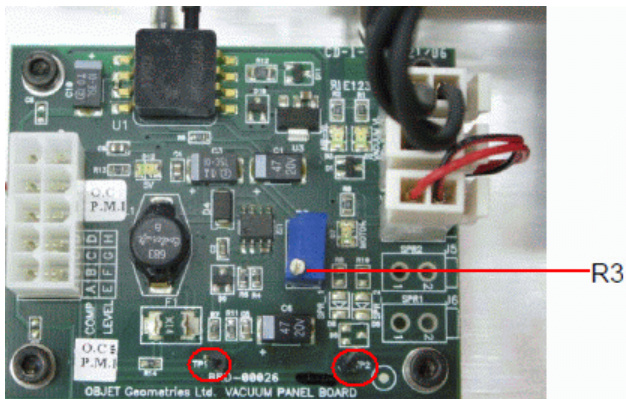
To determine the vacuum measurement, look at the water level on the left and right sides of the gauge. The difference between the two readings is the vacuum measurement.



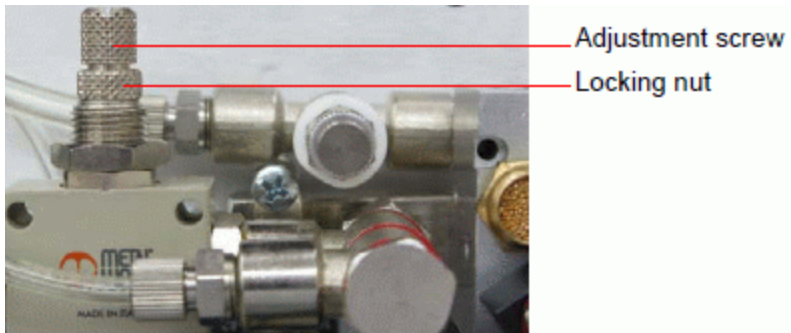
In the example above, the level on the left is 8.7, and the level on the right is 2.7. The difference is **6.0**. (This is the required measurement, so calibration is not necessary in this case.)

If the vacuum measurement is not correct:

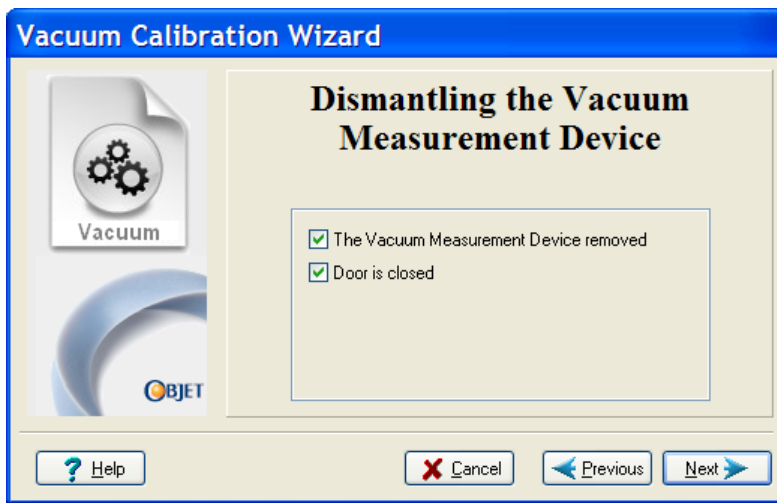
1. On the vacuum-panel board, adjust the R3 potentiometer until the difference between the left and right water levels is **6.0**.



2. Connect the voltmeter to TP1 and TP2, and measure the voltage.
3. If the voltage is not between 5.1 - 5.3 volts, adjust the vacuum valve until you measure **5.3 volts**.

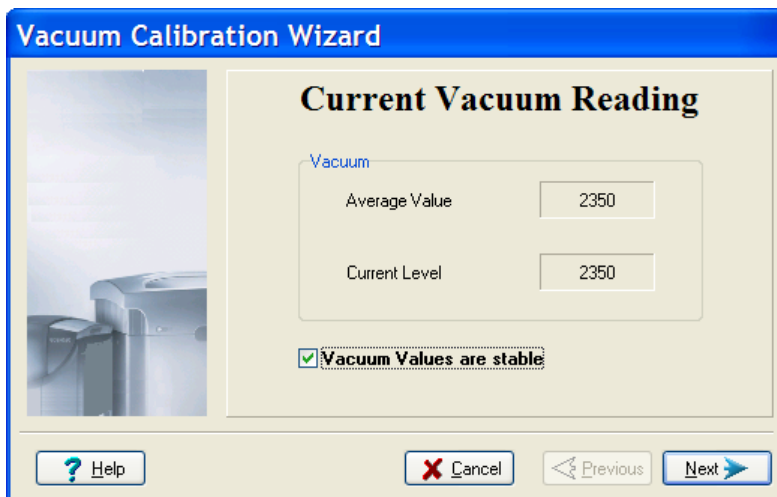


4. Check that the vacuum measurement has not changed. If necessary, re-adjust the potentiometer and the vacuum valve until both measurements are stable and correct.
5. In the wizard screen, confirm that the measurements are correct and click **Next**.



Disconnect the Vacuum Gauge

- .1 Disconnect the tube from the vacuum gauge at the print block.
- .2 Reconnect the tube from the vacuum sensor to the print block.
- .3 Close the printer cover.
- .4 In the wizard screen, select the confirmation check boxes and click **Next**.



Check Vacuum Reading & Calibrate Sensor

- .1 When the *Average Value* reading is fairly stable, select the check box and click **Next**.
 - You can ignore the *Current Level* reading.
 - The numbers constantly change in the *Average Value* reading. Select the check box and click **Next** when the changes are not extreme.

When you click **Next**, the vacuum sensor is calibrated according to the vacuum adjustments you made.