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TECH NOTE EZ10W-100

Checking The Responsivity And Approximate Calibration Of The EZ-10W

You can check if your EZ-10W dissolved ozone meter is responding adequately using an Eco Sensors OG-1 (battery) or OG-1AC (adapter powered) ozone source. These small ozone sources put out at least 7 ppm at their grill. The Eco Sensors OG-2 ozone calibration source does not have enough output to be used to check the EZ-10W.

Warm up the EZ-10W according to the instructions. One hour is recommended. Turn on the OG-1. You should see the lamp glowing inside the grill and you will smell ozone near the grill. Position the EZ-10W probe so that it is flat to the grill with the ozone flowing into the probe.

After 1-3 minutes the LED light bar display should go up to at least .5 ppm on the right hand scale and in some cases it may go all the way to the top.

If the EZ-10W does not go above .5 ppm:

- 1 - Move the probe around the OG-1 grill to find a stronger response.
- 2 - If the EZ-10W hasn't been used for about a week, allow it to warm-up for another 24 hours to "burn off" and desensitizing chemicals it may have absorbed.
- 3 - Make sure that the membrane in the probe that protects the sensor from water splashes is not wet. If it is wet do not remove it. Allow it to dry overnight.
- 4 - If you do not see the membrane but you can see the sensor deep in the probe, the membrane has been removed. If the instrument is still adequately responsive, replace the membrane, and continue with your testing. Additional membranes are available from Eco Sensors, Inc.

If the steps above do not indicate that the EZ-10W is responsive enough, it should be returned to your distributor or Eco Sensors, Inc. for repair and recalibration.