

Maxum Startup Procedure using the Workstation Software

1. Connect utilities (see custom documentation and Installation Guide)
2. Power up analyzer (before powering up verify connections. Look for proper LED's)

Using System Manager

3. Backup the analyzer database. You may have to wait until the icon appears in the system view window or you can add it manually if you know the analyzers IP address. (see Advance System Manager Users Guide page 11 for Add Unit and page 12 for Backup/Restore. Recommended file name AX### Original.amd)

Using EZChrom

4. Launch EZChrom Main Window from the System Manager
5. In the EZChrom Main Window you will need to create a new instrument (see Getting Started with EZChrom page 13.)
6. You will need to Auto-Configure the Icon. (see page 16 in Getting Started with EZChrom)
7. Launch the Instrument. (see Getting Started with EZChrom page 13.)
8. Import the Method. Select File| Method | Import. Select the method you want to Import and select OK. Save the method on your hard drive. (Create a subdirectory for your analyzer and save the method. Recommended file name Method#.met)

From the maintenance panel

9. Check flows documenting the pressures for plant conditions using your custom documentation (if you are using Electronic Pressure Controllers see Maintenance Panel Operations page 85 on Maxum Online Library CDRom)

Using EZChrom

10. If the pressure is different you will need to adjust the settings for the method. (pressure is OK go to step 12) Open the instrument setup window and adjust the pressure settings in the EPC tabs. (see Getting Started with EZChrom page 19 Instrument Setup or the EZChrom Tutorial Acquisition Setup page 6-2)
11. Save your method and export the method back to the analyzer. Overwrite the method you are working with in the analyzer. File | Method | Save and File | Method | Export
12. Lineup the appropriate calibration cylinder. Run the analyzer. You can run the analyzer from the MMI or from EZChrom Control Application. (see Maintenance Panel Operations page 197 or Getting Started with EZChrom Control and Monitor Application page 46.)
13. At the end of the cycle import the data (chromatogram). File | Data | Import. Select the appropriate stream and select import.
14. Using the chromatograms in the custom documentation compare the acquired chromatograms to the ones in the custom documentation. If there are any differences

they should be corrected. If the analyzer has a detector in the ITC position check that the cut times are correct. If not adjust them in Instrument Setup Valve tab. If you are using Electronic Pressure Control (EPC) and change the valve switch time you may need to change the time that the EPC switches pressure. (see Getting Started with EZChrom page 19 Instrument Setup or the EZChrom Tutorial Acquisition Setup page 6-2)

15. Save your method and export the method back to the analyzer. Overwrite the method you are working with in the analyzer. File | Method | Save and File | Method | Export
16. Run the analyzer again. You can run the analyzer from the MMI or from EZChrom Control Application. (see Maintenance Panel Operations page 197 or Getting Started with EZChrom Control and Monitor Application page 46.)
17. At the end of the cycle import the data (chromatogram). File | Data | Import. Select the appropriate stream and select import.
18. Using the chromatograms in the custom documentation compare the acquired chromatograms to the ones in the custom documentation. If there are any differences they should be corrected. Repeat steps 15 – 18 until the ITC chromatograms look correct.
19. Using the chromatograms in the custom documentation compare the acquired chromatograms to the main detector chromatograms in the custom documentation. Check the component peak retention times and gating. If there are any discrepancies they should be corrected. Adjust the peak retention times as necessary. (see EZChrom help on Method Development | Calibration | Peak Table.)
20. Integrate the Chromatogram to verify the changes. Analysis | Analyze. You may want to place annotations on the chromatograms so you can visually see the changes you make. (To add annotations see EZChrom Basic Operations | Chromatogram Window | Chromatogram Annotations.)
21. Save your method and export the method back to the analyzer. Overwrite the method you are working with in the analyzer. File | Method | Save and File | Method | Export
22. Run the analyzer again. You can run the analyzer from the MMI or from EZChrom Control Application. (see Maintenance Panel Operations page 197 or Getting Started with EZChrom Control and Monitor Application page 46.)
23. At the end of the cycle import the data (chromatogram). File | Data | Import. Select the appropriate stream and select import.
24. Using the chromatograms in the custom documentation compare the acquired chromatograms to the ones in the custom documentation. If there are any differences they should be corrected. Repeat steps 19 – 24 until the Main chromatograms look correct.
25. At this point you are ready to calibrate the analyzer. Save the last acquired chromatogram to be calibrated. Analysis | Single Level Calibration. (See EZChrom

Tutorial | Calibration Using a Stored Data File page 6-10.)

26. You may want to verify calibration. (See EZChrom Tutorial | Reviewing Calibration Curves page 6-17.)
27. Save your method and export the method back to the analyzer. Overwrite the method you are working with in the analyzer. File | Method | Save and File | Method | Export
28. Run the analyzer again. You can run the analyzer from the MMI or from EZChrom Control Application. (see Maintenance Panel Operations page 197 or Getting Started with EZChrom Control and Monitor Application page 46.)
29. At the end of the cycle import the data (chromatogram). File | Data | Import. Select the appropriate stream and select import and verify that the analyzer is reading correctly.

Using the System Manager

30. Backup the analyzer database. You may have to wait until the icon appears in the system view window or you can add it manually if you know the analyzers IP address. (see Advance System Manager Users Guide page 42 for Add Unit and page 43 for Backup/Restore. Recommended file name AX###.amd)
31. Put the analyzer in RUN.