

Gas Chromatograph Update for the GPA-2145-09 Table of Physical Properties for Hydrocarbons and Other Compounds of Interest to the Natural Gas Industry

Overview

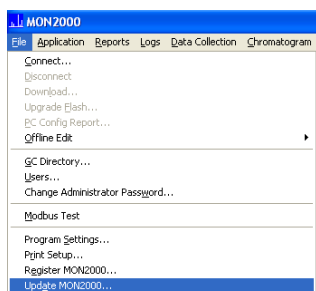
The Gas Processors Association has released an updated table of physical constants which are used in Emerson's Daniel[®] and Rosemount[®] Analytical brands of gas chromatographs for the BTU and physical properties calculations (e.g., specific density and compressibility). Emerson Process Management's Gas Chromatographs Division has released an update to the MON2000 program (available in releases starting at MON2000 v. 2.56) which contains the updated values and will allow for the update of Emerson gas chromatographs in the field. This document describes how to update Emerson gas chromatographs (Daniel[®] Analyzer and Rosemount[®] Analytical) to the latest GPA 2145-09 physical constants.

*Note that changing the physical constants **will change the BTU calculation**. For fiscal metering locations, all parties to the fiscal transfer must be aware and approve of the update.*

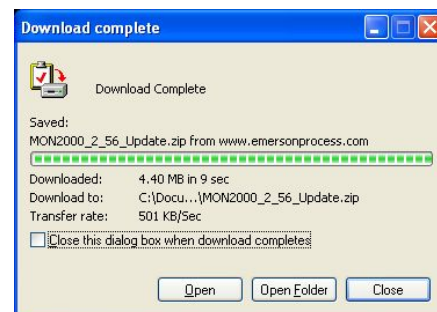
Updating MON2000 Gas Chromatograph Software

The MON2000 program provides a link directly to the webpage where the update can be downloaded. To use this link:

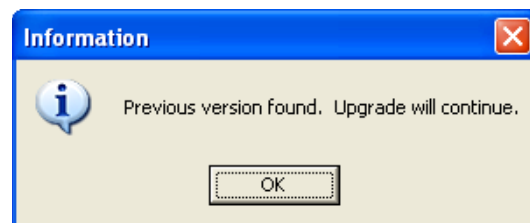
- Ensure your computer is connected to the Internet.
- Run your existing MON2000 program
- Select "Update MON2000..." from the File menu.



- Your internet browser will now start and display the GC Software page on the Emerson Process Management/Daniel website..
- Select the "**Download MON2000 Update**" from the menu on the right side of the page.
- The correct update is **MON 2000 v. 2.56** or later
- If you can not use the MON2000 link, [click this link](#) to download the zipped files.
- Save the zip file to your local computer.
- When the download is complete, select "Open" from the "Download Complete" dialog box.



- Double-click on the Setup program icon to run the upgrade. The upgrade program will look for an existing program and if it finds one, will install the software. Select all of the default settings and install the update.



Running MON2000

Note that if you have upgraded from an older version (prior revision 2.3) of MON2000 Gas Chromatograph Software, the old program may still reside in the Program Files/Daniel directory. It is important to ensure that the new version in the Program files/Emerson Process Management/MON2000 folder is run. Always use the new shortcuts placed on the desktop and the start menu during the installation routine.

Start MON2000 using the MON2000 link in the Start Menu or by double clicking the new desktop shortcut.

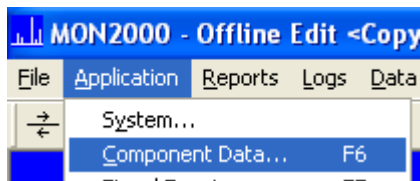
At the login screen, confirm the version number is 2.56 or higher. This is the upgrade that has the new GPA physical constants.



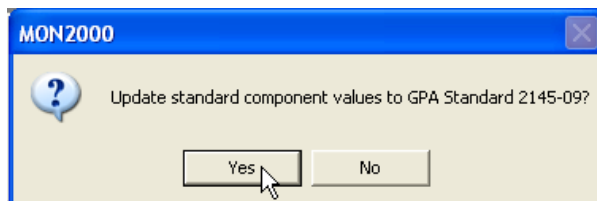
Updating the Physical Constants

To update the GPA Physical Constants:

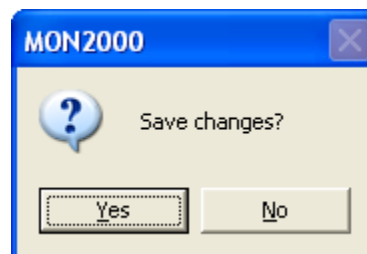
- Connect the Emerson gas chromatograph
- Select "Component Data" from the Application menu.



- If the gas chromatograph does not have an updated physical constants table, MON2000 will display the dialog asking the values should be updated to GPA 2145-09.



- Select "Yes."
- The values will now be changed to the latest physical constants. Click on the OK button to update the values in the gas chromatograph.
- MON2000 will prompt to save changes.



- Select "Yes". The new values will then be sent to the gas chromatograph and will be used in the next analysis.

About Emerson Process Management

Emerson Process Management (www.EmersonProcess.com), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, food and beverage, pharmaceutical and other industries. The company combines superior products and technology with industry-specific engineering, consulting, project management and maintenance services. Its brands include Rosemount®, PlantWeb®, Fisher®, Micro Motion®, Mobrey®, Daniel®, Bristol®, DeltaV™, Ovation®, and AMS® Suite.