



HGM300 PC Software

Insert software disk into PC.

Turn on the HGM300 and allow it to warm up. Start the PC and insert the disk. Connect the RS-232 interface cable to the PC and RS-232 port on the HGM300. Open the software by using Explorer and double clicking on the program.

Note: The PC software uses COM1 by default. Therefore, the interface cable should be connected to the port configured as COM1 on the PC. Also, no other software drivers or devices in the PC may control COM1 when the HGM300 software is in use. The connection is made through a standard “straight through” serial port connection. A three-wire connection is used (RXD, TXD, and GND). No hardware flow control is used. The HGM300 software automatically configures COM1 to match the HGM300 RS-232 communications parameters.

Upon start up, the program will immediately attempt to download data from the HGM300. Several beeps can be heard as the program communicates with the HGM300.

Note: To move through the screen use the ARROW keys to move up, down, left and right.

Use the ENTER key to select options and the ESCAPE key to back out of a selection.

Using the arrow keys go to EDIT – press Enter key – the EDIT Menu DROPS DOWN – select SYSTEM – press ENTER key. The HGM “LOCATION” becomes highlighted. Press ENTER key to move to the HGM TAG area, use the BACKSPACE key to remove the existing tag, then enter in a new tag. Press ENTER and you are returned to “LOCATION.” Use the ARROW key to select the next item to be addressed. You CANNOT change the “SN” or “FIRMWARE” items. Press the ESCAPE key to return to the menu bar.

Go to EDIT – press ENTER, select “ZONES” and press ENTER key. You may now select a specific zone to identify and set parameters. When "REFRIGERANT" is selected use the ARROW keys to move up and down through the gas library to locate the gas type for that zone – HIGHLIGHT the gas type and press ENTER.

To set the ALARMS – select EVAC LEVEL first, press ENTER use the BACKSPACE key to clear previous setting and type in the new PPM level. Use the same method to set the SPILL LEVEL and LEAK LEVEL.

To close or bypass a zone, set the DISTANCE to 0 feet.

Note: It is very important that any time you modify a parameter (zone, system or calibration) and send it to the HGM300, please wait for the PC Software to indicate that the download is complete before continuing with any edits.

Creating a monitor program

Open the software, go to "EDIT", select "SYSTEM" and press ENTER. You now have access to the HGM300 system programming parameters. You may edit the following items; Location, Node address, Number of zones, Rezero mode, Zone hold time, etc. After making the appropriate changes, use the ESCAPE KEY to go back to the top of the screen. The software will prompt if you want to download to the HGM. If you are connected to the HGM and wish to download, select "YES". If you want to save the program and continue with the zone programming, select "NO". Go to "FILE", select "PATH", then press enter. Change the "CURRENT PATH" to the desired drive and location, select "SAVE SETUP" and type in the title, such as HGM#1 then press ENTER.

To program the zones

Go to "EDIT", select "ZONES" and press ENTER. You may now select a zone, press ENTER and a drop down menu will open allowing you to program all data for that zone. When that zone is complete, press the ESCAPE key, select the next zone and repeat until all zones are programmed. When all zones are completed, press the ESCAPE key again, the software will ask if you want to download to the HGM, if yes, then select "YES. If you want to save the program, select "NO". To save the program, press "NO", go to "FILE", "SAVE SETUP" and type the file name and press ENTER.

To open a saved program

Open software, go to "FILE", "PATH", clear the old path and type in the proper drive path for the saved program (A: or C: etc.). Press enter, select the proper program, press enter again, the saved program will be pulled into the software.

To send a saved program to an HGM300

Open the HGM300 PC software, open the proper saved program, connect the PC to the HGM300 then go to "HGM", "SEND SETUP" and press "ENTER". The saved program will be sent to the HGM300.

Trend Data

Creating a trend data file must be done while connected to the HGM300.

Go to "FILE" select "PATH", clear the old path and type in the proper drive path to save the file to. Press escape, go to "HGM" select "GET TREND DATA", select the zone that you want to trend, press enter. The trend data will appear in a list format. Press enter again, a file name screen will appear, type in the file name for that zone (trend1 etc.). Press enter and the file is saved as a text file. The text file can be converted to a Microsoft excel file or printed as is.

NOTE - The “TREND” file must be saved ZONE by ZONE, with a filename per zone. The file will be saved in a notepad format, which can be converted to a delimited excel file.

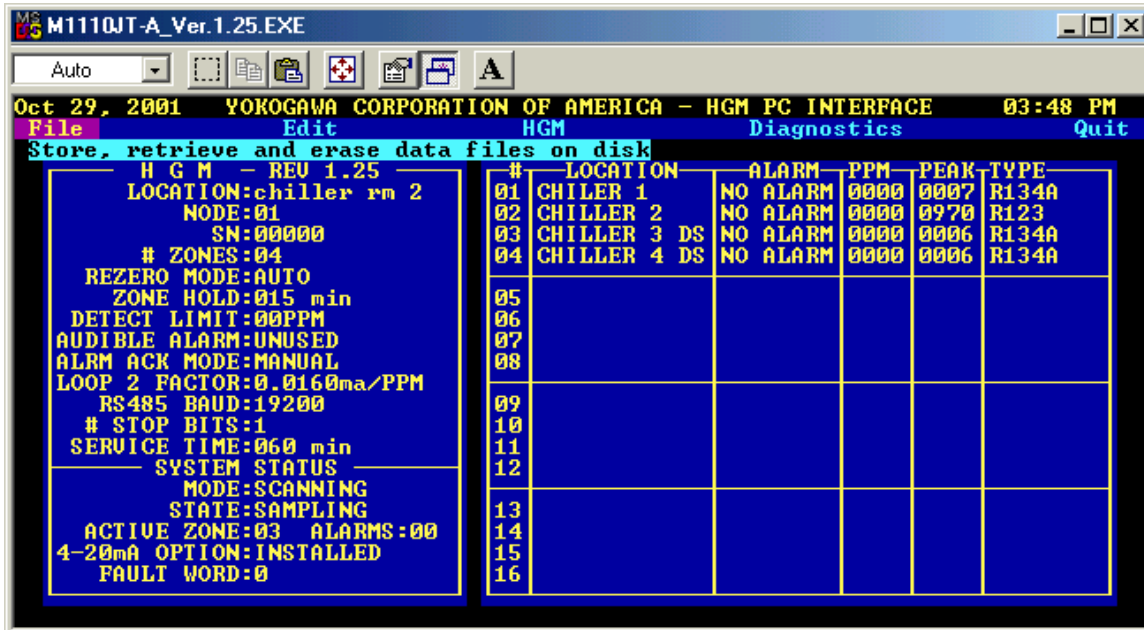
To convert the TREND text file to an Microsoft Excel file

Open Microsoft Excel, open the desired file using “All files (*.*)”, select “Delimited” format, then ”SPACE” as the delimiter. Select GENERAL as the column data format. The text file now appears as an Excel file. To save the file, go to FILE, SAVE AS, select the proper drive, then change the file name extension to”.xls” and save it. Comments or notes may be added to this file as needed and saved.

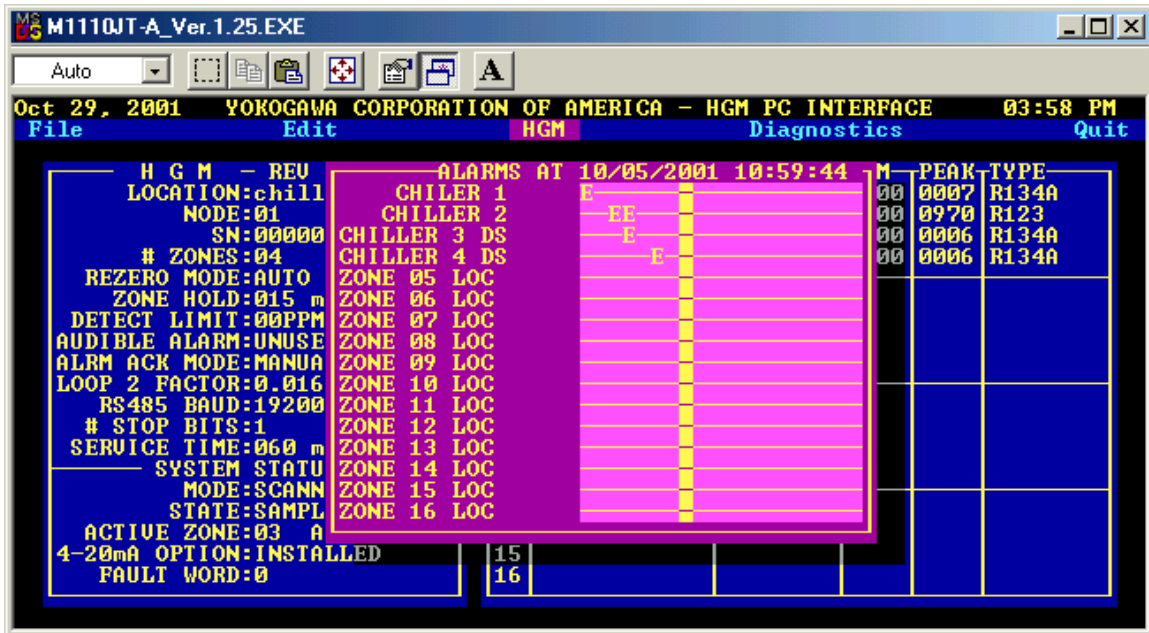
To save and print the HGM300 software screen, Alarm Log, Fault Log or Diagnostic Screen

Open the software while connected to the HGM300. After the software gets the program, open the desired screen, with that screen as the active screen, press the ALT and PRINT SCREEN keys on the PC keyboard. Open Microsoft Word; go to FILE, NEW, go to EDIT, then PASTE. The active screen is then brought into WORD. To save the file, select SAVE AS select the proper drive and file name then press SAVE.

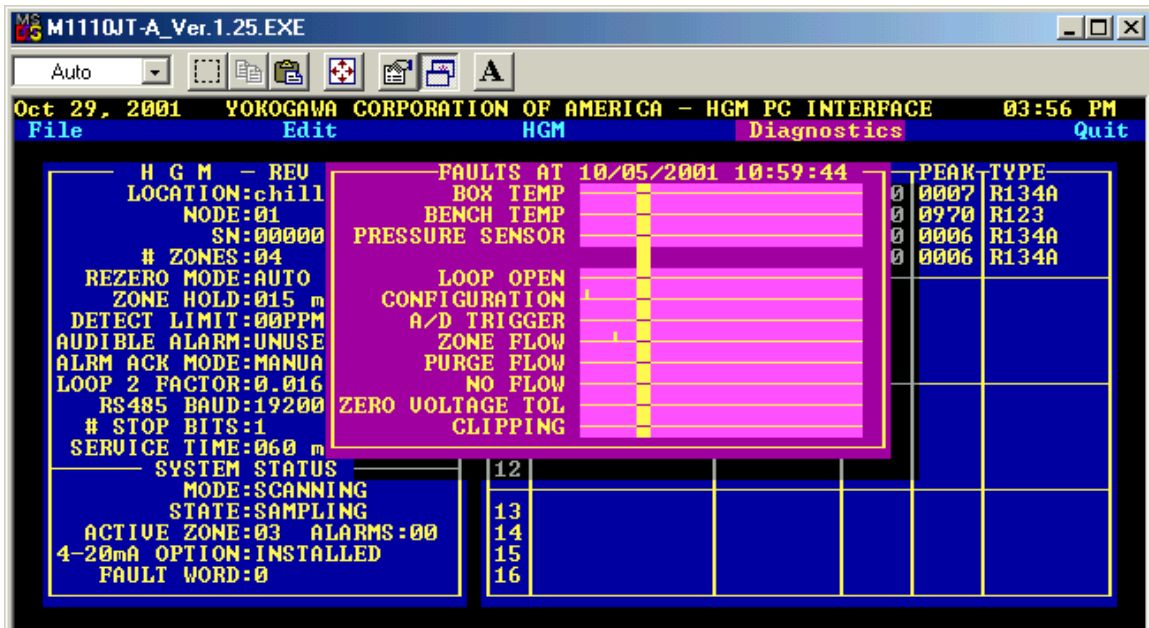
HGM300 SOFTWARE SCREEN PRINT EXAMPLES



BASIC SOFTWARE SCREEN



ALARM LOG SCREEN



FAULT LOG SCREEN