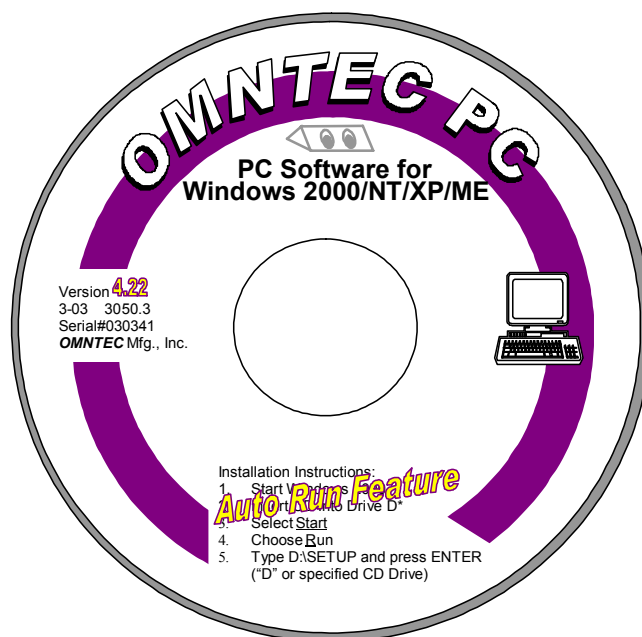


OMNTECPC USER GUIDE



VERSION 4.3



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1. INSTALLATION OF SOFTWARE

- Insert CD-ROM "OMNTEC PC" into your CDROM Drive. Versions 4.2 and higher have an auto run feature and will start the installation process automatically once the CD is inserted. To start the installation manually, click on "START" then "RUN". Type in D:\setup.exe (Some computers have E:\ labeled for the CDROM Drive). Then Click on "OK". *NOTE: When installing on a network environment you must have administrative rights in order to install. The software will prompt you if you do not have administrator rights.*
- OMNTEC PC will prompt you for a destination folder where the program and data will reside. Click on "NEXT" if the location is acceptable.
- Next OMNTEC PC will prompt if it detects a previous version and ask if you would like all the data from the previous version to transfer over to the new version. Click "YES" or "NO". After OMNTEC PC has installed the program files to the hard drive it will prompt you to click on "FINISH". If you selected "YES" on transferring the previous version data, the data will now transfer automatically. Click on "CLOSE" when it's done.

2. NAVIGATING THROUGH OMNTECPC

To open OMNTECPC click:

"START"

"PROGRAMS"

"OMNTEC PC Remote Monitor"

The toolbar, as seen in figure 1, will appear across the top of the screen

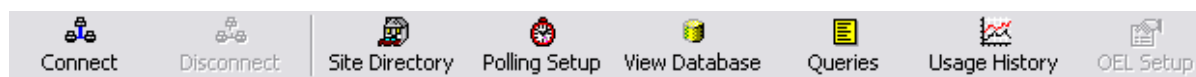


Figure 1. Tool Bar

a. MENU STRUCTURES

i. TOOL BAR

Contains the most frequently used tools when connecting and disconnecting to sites

1. CONNECT



Connect

When a site is open you can start a connection to that site by pressing this button. This button is only highlighted when a site is disconnected.

2. DISCONNECT



Disconnect

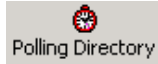
After a site is connected you can disconnect by pressing this button. This button is only highlighted when a site is connected.

3. SITE DIRECTORY



This button will open the site directory window where you can create, delete and edit sites.

4. POLLING SCHEDULE



This button will open the Polling Schedule window, which allows you to set a polling schedule for each individual site.

5. VIEW DATABASE



This button will open the View Database window and allow the user to see various types of information such as Inventory, Delivery, Alarms, and Leak Reports.

6. QUERIES



QUERIES: A quick view to sort database information of all the sites into the following:

- Polling Log Results
- Sensor and Probe Alarms
- VLD Test Results
- Generator Alarms
- Generator Engine Run Times
- Systems Self Tests

7. USAGE HISTORY



Usage History: Shows usage history for the selected tanks and approximate time when next delivery will be required.

8. SITE PARAMETERS



OEL Setup: when connected to the site of an OEL8000II system it will allow you to remotely program site parameters.

OEL Setup Window

Depending on the configuration of the OEL8000II some tabs in the OEL Setup window may not be present.

9. REFRESH



The Refresh button updates the OMNTECPC screen with current information from the system.

ii. DROP DOWN MENUS:

The drop down menu, figure 2 below, allows for set up of Local PC functions: (Note: This menu changes as different windows are opened.)



Figure 2. Drop Down Menu's

1. FILE

Contains the following:

- a. PRINT SETUP
Setting up your local printer parameters
- b. EXIT
Closes out OMNTEC PC

2. VIEW

Contains the following:

- a. TOOL BAR
Hide the tool bar in figure 1
- b. STATUS BAR
Hides the Status bar in figure 3



Figure 3. Status Bar.

3. SITE

Contains the following:

- a. DIRECTORY
Opens the site directory window
- b. POLLING SCHEDULE
Opens the polling schedule window
- c. DATABASE
Opens the database window
- d. QUERIES
Opens the query window

4. REPORT

Contains the following:

- a. POLLING LOG
Accesses the text file that is created when a polling schedule starts.
Gives a description on what happened with that connection.
- b. DIAL-IN ALARM LOG
Accesses the text file that is created when an Auto Answer starts.
Gives a description on what happened with that connection.
- c. CLEAR POLLING LOG
Clears the text files for the Polling.
- d. CLEAR ALARM LOG
Clears the text file for the Auto Answer Log (DIAL-IN ALARM LOG).

5. SETTINGS

Contains the Following:

- a. AUTO ANSWER
See figure 4. "Auto answer" sets up OMNTEC PC to automatically answer incoming calls from remote OEL8000II system alarms and reports.

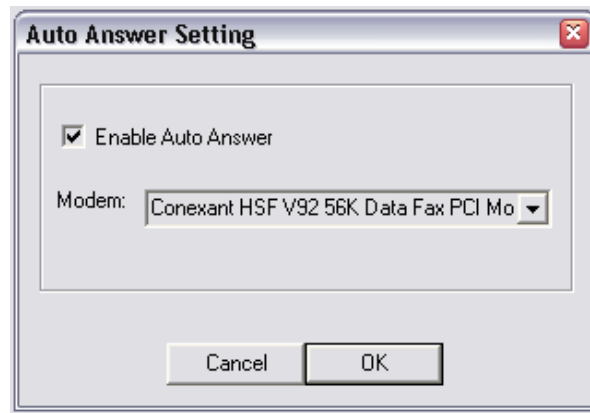


Figure 4. Auto Answer Setting Window

b. SYSTEM PARAMETER

See Figure 5.

COMMUNICATION TIME OUT: The amount of time the OEL8000II system has to respond to incoming commands.

WRITE CHARACTER DELAY: The amount of time given between characters of a command being sent to the OEL8000II system.

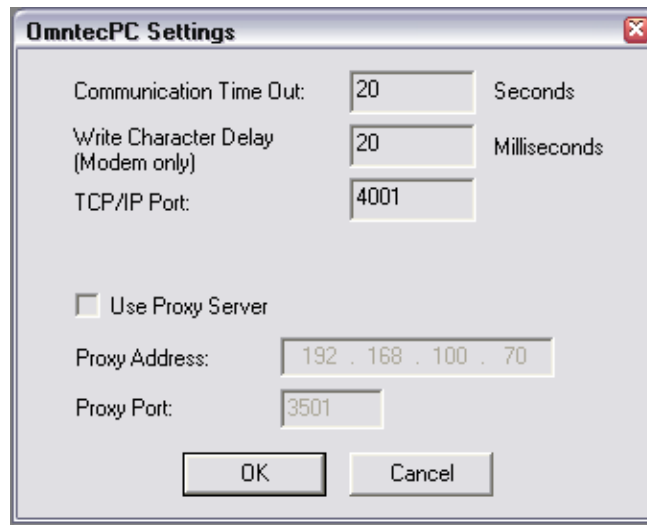
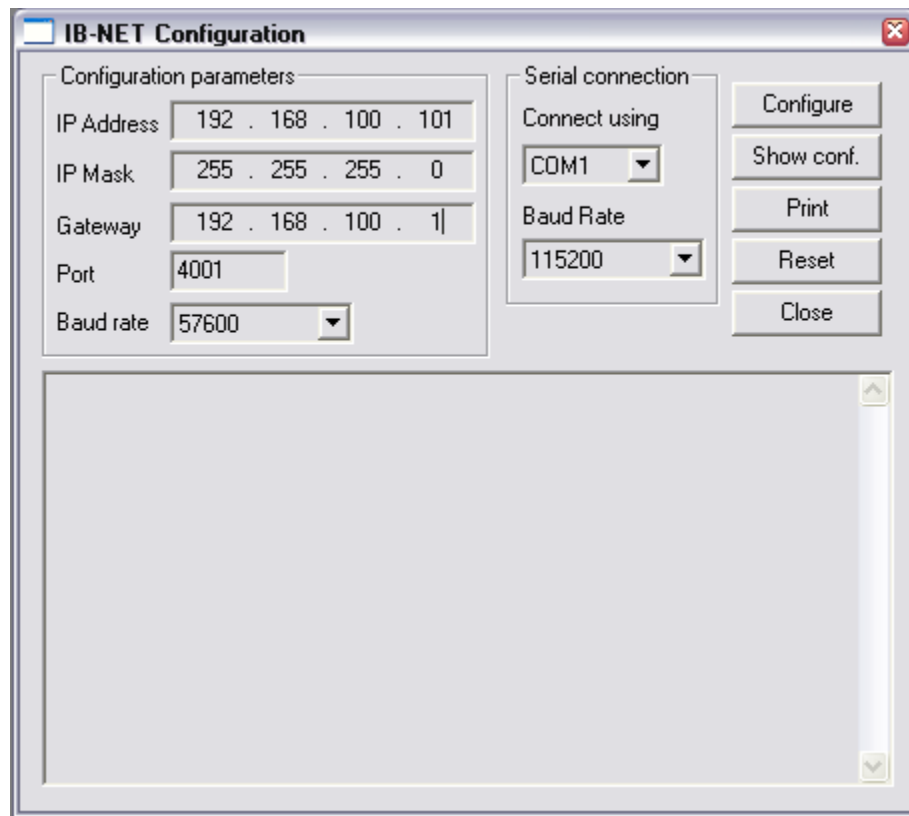


Figure 5. OMNTEC PC Settings Window

c. IB-NET Configuration

The IB-NET Ethernet board allows the OEL8000II to be configured from OMNTECPC. If an IB-NET is installed connect your PC to the 9-pin connector on the IB-NET board using a standard serial cable. During configuration the IB-NET 3-pin cable must be unplugged.

The Baud rate set on the card must match the one in the OEL8000II serial COM3 configuration.



IB-NET Configuration Window

6. HELP

The help menu contains the following:

- a. ABOUT OMNTEC PC
Version information
- b. OMNTEC PC HELP
Help Information




b. NAVIGATING THROUGH "SITE DIRECTORY"

SITE DIRECTORY: This is where you can setup all your sites information. See Figure 6.

To get there click on the "SITE DIRECTORY" icon:



LEGEND:

-  = Selected site or group.
-  = Unselected site.
-  = Unselected group.

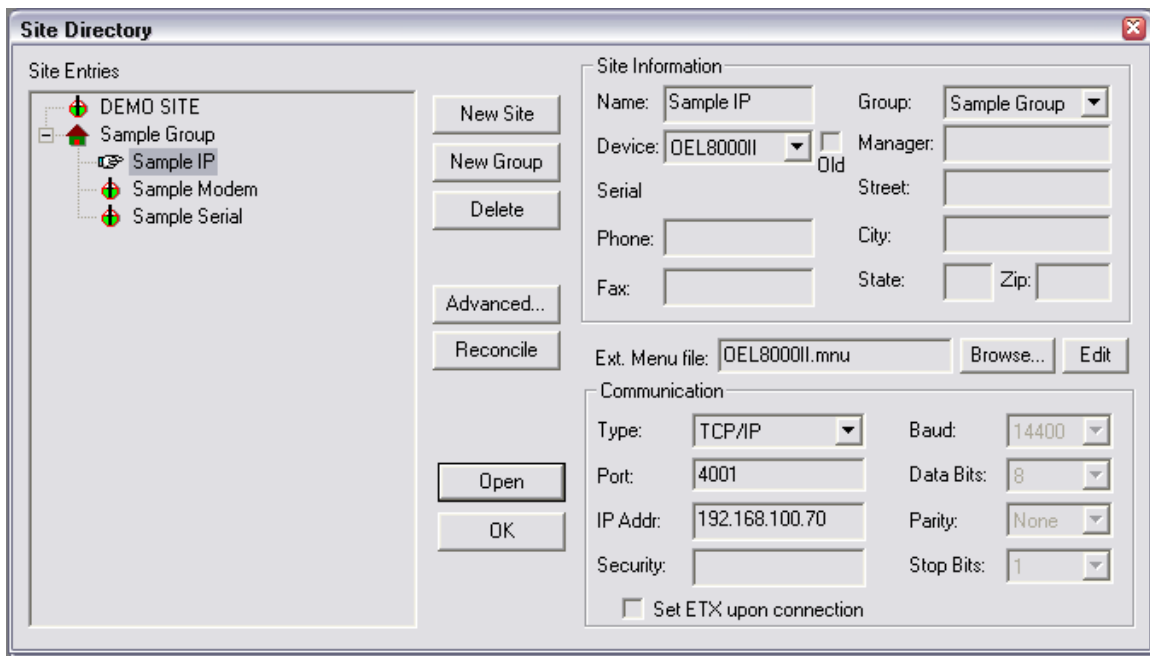


Figure 6. Site Directory Window

i. CREATING A NEW GROUP

To create a new group to help organize your sites just click **New Group** and a new group will appear on the right in the "Site Entries" window. See figure 7.

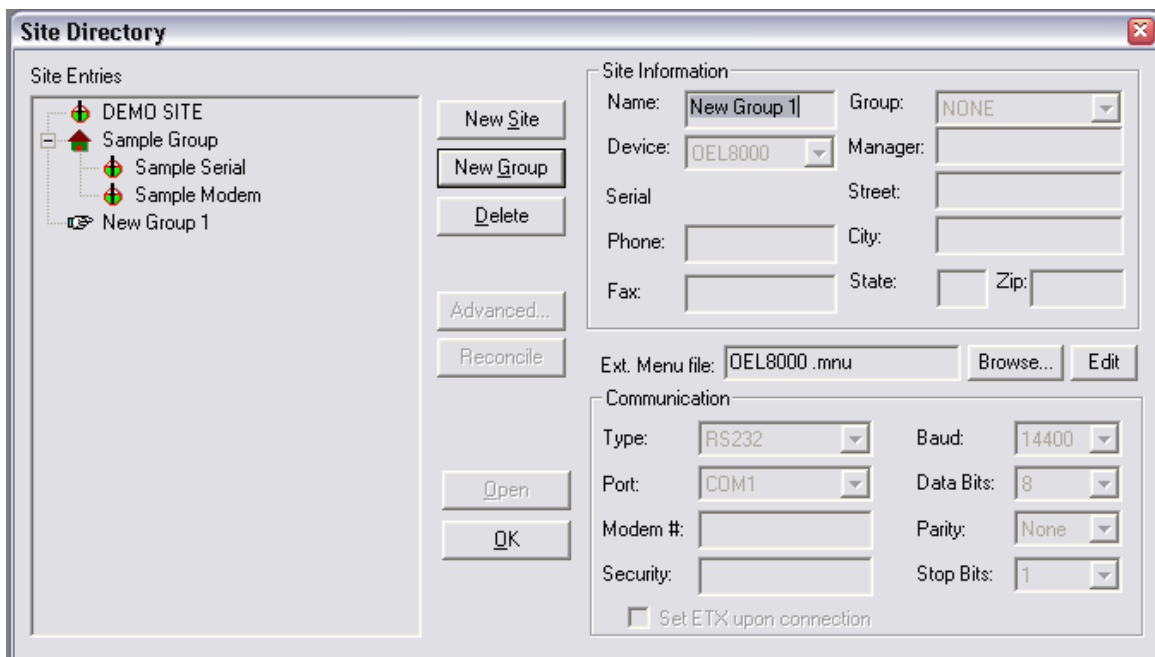


Figure 7 Creating a New Group

ii. CREATING A NEW SITE

To create a new site click on the **New Site** button. You will see "NEW SITE 1" is now added to you site entries. See figure 8.

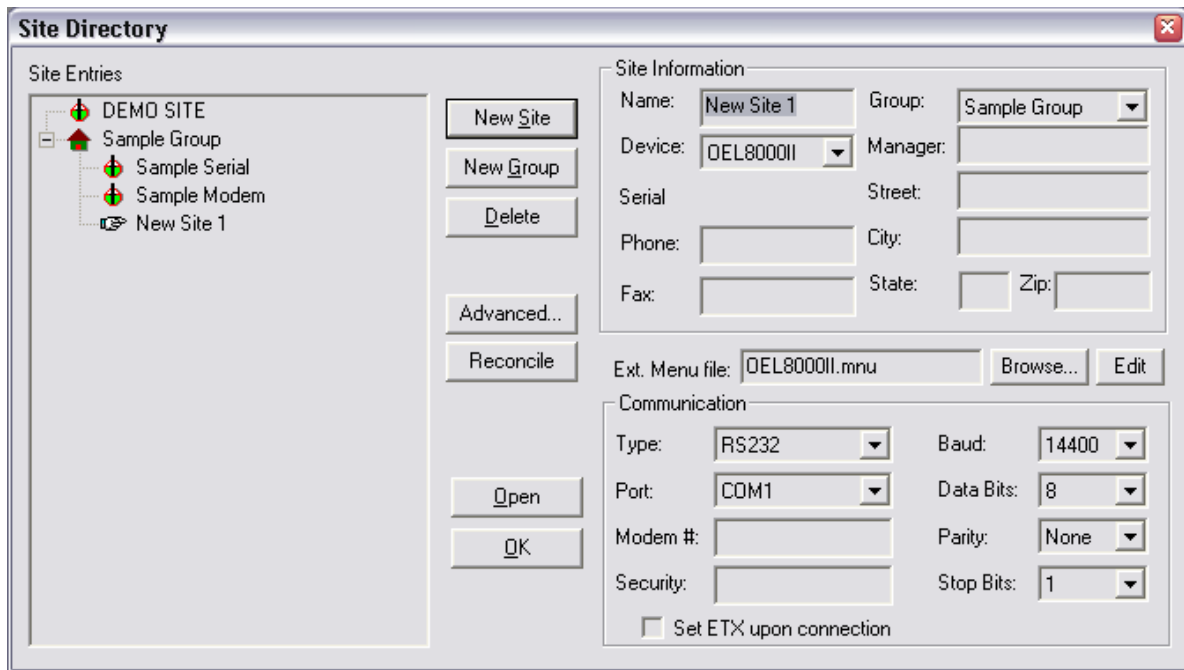


Figure 8. Creating a New Site.

1. SETTING SITE INFORMATION

You can set site information for the following: See Figure 8.

Name	Phone	City
Group	Fax	State
Manager	Street	Zip Code

2. SELECTING A DEVICE

Selecting a device tells OMNTECPC software what protocols and command set to use. OMNTECPC Software is enhanced for the OEL8000II systems. Your Choices are the following: (See Figure 8)

OEL8000II
OEL8000
TLS-350
TLS-250
EBW-250

If you select "OEL8000II" a check box labeled "Old" will appear. For systems with versions greater than PR113001 this box must stay unchecked. For systems with older PR versions OMNTECPC should automatically check this box.

3. SETTING COMMUNICATION

Set how you are going to communicate to your sites. You can use RS232 Port, Modem or TCP/IP.

iii. DELETING A SITE OR GROUP

To delete a site or a group, highlight the site or group "X" and then click on the **Delete** button. OMNTECPC will prompt you for confirmation. Click "YES" or "NO". See figure 9.

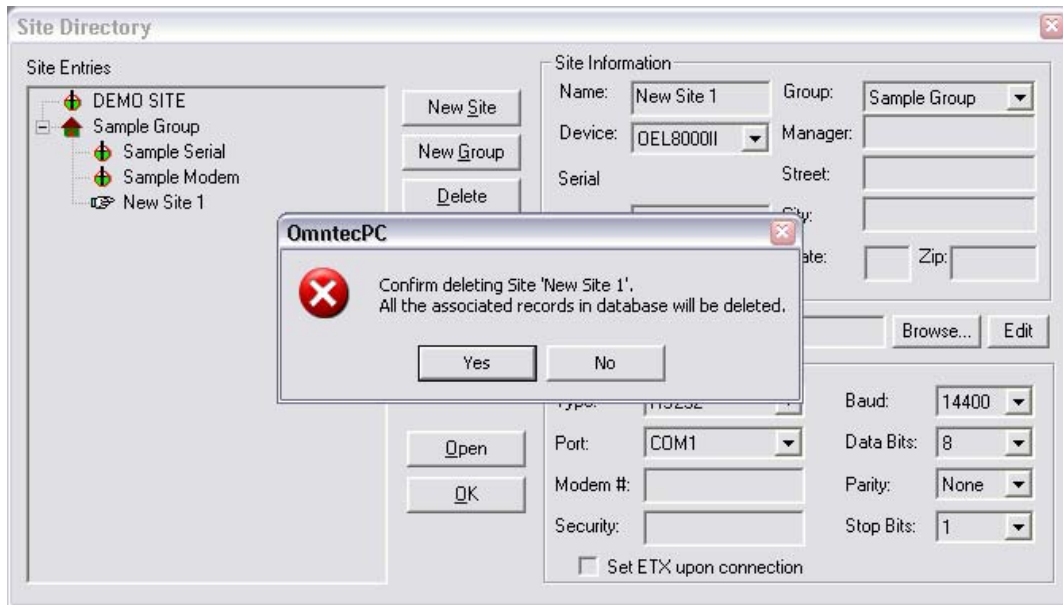


Figure 9. Deleting a site.

iv. ADVANCED PROPERTIES

Advanced Properties allows you to select what Data to poll or auto answer from the highlighted site. To open the advanced properties click on the **Advanced...** button. A list of items will be displayed. See figure 10.

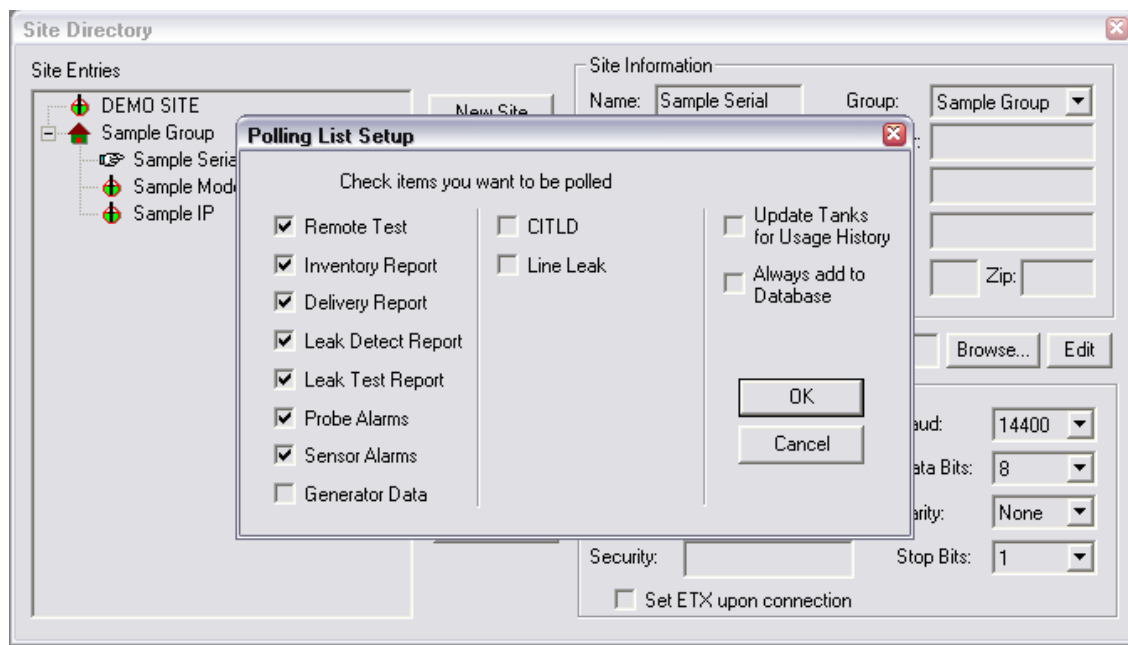
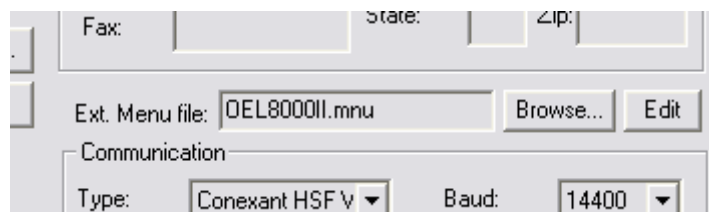


Figure 10. Advanced Properties

Note: This feature's main function is to customize data collection

v. Extended Menu



OMNTECPC has an "extended" menu that can be set up and modified by the end user. To set up which menu is to be loaded for a site, either type the file name of the menu to be loaded, or, use the "Browse" button to locate the menu file.

To edit the menu, click on the "Edit" button. A Windows default editing program (e.g. Notepad) will open allowing you to make changes.

c. NAVIGATING THROUGH "POLLING SCHEDULE"

The polling schedule can be set for OMNTECPC to poll any particular site and to store the information in the database. See Figure 11.

To open the polling directory click on the



button.

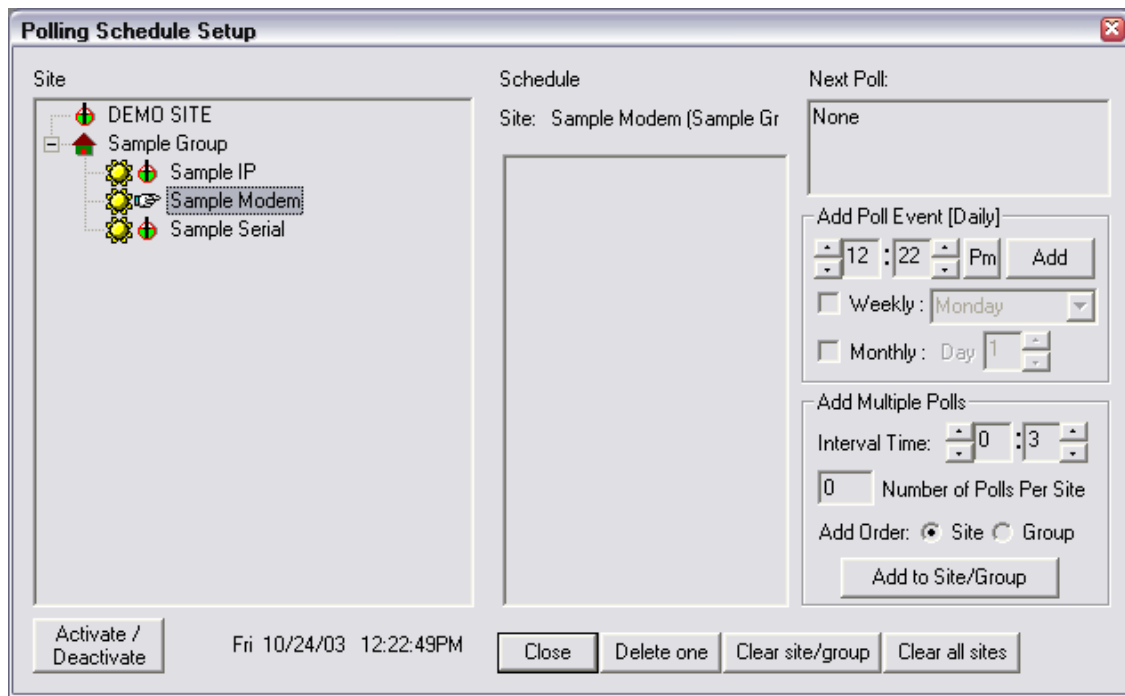


Figure 11 Polling Schedule Window

i. WHAT IS POLLING?

A polling schedule is a database of times stored to automatically collect data from a remote OEL8000II system. The time, frequency and quantity of Polls can be changed in the Polling schedule window. See Figure 11.

ii. CREATING A POLLING SCHEDULE FOR A SITE or GROUP

Highlight the site or group to be scheduled by clicking on it. Polling can be added one at a time or in multiples.

To add one poll:

1. Set desired time.
2. By default polling will be performed every day at the set time. If you want to change the frequency to once a week, check the "Weekly" box and select the day of the week you want to poll. For polling once-a-month check the "Month" box and select the day of the month you want to poll.
3. Click "Add" button.

To automatically generate multiple polls:


1. Select site or sites the multiple polling will apply to.
2. Set the desired time.
3. Select "Weekly" or "Monthly" (optional).
4. Set the time interval between consecutive polls. Minimum interval is 3 minutes.
5. Select how many polls each site will perform.

6. Select the order in which the polls should run. By selecting "site" all scheduled polls will run and complete on one site before polling the next site. By selecting "group" the first poll will run from site to site. When the first poll has run through all scheduled sites it will then run the next poll per site, and so forth until completed.
7. Click "Add to Site/Group" button.

iii. DELETING A POLLING SCHEDULE FOR A SITE or GROUP

In the "Schedule Site" window highlight the polling schedule to be deleted by clicking on it, see figure 11. The following options are available:

- a. "Delete one": Deletes the highlighted polling schedule
- b. "Clear site/group": Will delete all scheduled polls for the selected site or group
- c. "Clear all sites": Will remove all polls from all sites

As an alternative to deleting polls you can temporarily "deactivate" a site - when site is "deactivated", as indicated by  symbol, no polls will be performed for that site.

To enable a "deactivated" site, highlight the site and click the "Activate/Deactivate" button. (Active sites are indicated by  symbol.)

iv. WHERE DOES THE POLLING INFORMATION GET STORED?

Polling information is store in the OMNTEC PC Database.

Note: The polling data and Auto Answer data is stored in a Microsoft Access Database. This database can be manipulated to create forms and extract information.

d. NAVIGATING THROUGH 'VIEW DATABASE'

Click  on the button to view the database. See Figure 12.

Database View

Select a Site: DEMO SITE

Data Base: INVENTORY Site: DEMO SITE

T	Type	Date/Time	Prod Label	Volume	Height	To Vol	Ullage	Water Vol	Water H	Temperature
1	MAO	08/08/01 11:33	DIESEL	1631.85	48.50	3327.00	3341.00	27.15	0.76	62.68
2	MAO	08/08/01 11:32	DIESEL	1631.85	48.50	3327.00	3341.00	27.15	0.76	62.68
3	MAO	08/08/01 11:21	DIESEL	1631.85	48.50	3327.00	3341.00	27.15	0.76	62.68
4	MAO	08/08/01 11:33	REGULAR UN	750.22	10.35	854.59	137.33	112.45	1.35	74.96
5	MAO	08/08/01 11:32	REGULAR UN	750.22	10.35	854.59	137.33	112.45	1.35	74.96
6	MAO	08/08/01 11:21	REGULAR UN	750.22	10.35	854.59	137.33	112.45	1.35	74.96
7	MAO	08/08/01 11:33	SUPER	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
8	MAO	08/08/01 11:32	SUPER	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
9	MAO	08/08/01 11:21	SUPER	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
10	MAO	08/08/01 11:33	TYPE 4	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
11	MAO	08/08/01 11:32	TYPE 4	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
12	MAO	08/08/01 11:21	TYPE 4	750.22	10.35	3327.00	137.33	112.45	1.35	74.96
13	MAO	08/08/01 11:33	TYPE 5 OIL	1546.55	10.35	854.59	137.33	112.45	1.35	74.96
14	MAO	08/08/01 11:32	TYPE 5 OIL	1546.55	10.35	854.59	137.33	112.45	1.35	74.96
15	MAO	08/08/01 11:21	TYPE 5 OIL	1546.55	10.35	854.59	137.33	112.45	1.35	74.96

Buttons: Delete Record, Delete Inventory, Clear Site, Print

Figure 12. Viewing the Database.

i. SELECTING DATABASE INFORMATION TO VIEW

To view the database of a specific site, select the site on the left by highlighting it. Then, to select which database is to be viewed choose one of the options from the "Database" drop down menu, (see figure 12). The drop down menu contains the following:

- Inventory
- Delivery
- Probe Alarms
- Sensor Alarms
- VLD Reports
- VLD Results
- Self Tests
- Generator Information


ii. PRINTING THE DATABASE

To print the database click on the  button. See figure 12.

iii. DELETING A RECORD

To delete a particular record in a database click on the Line number for that record and then click on the  button. See figure 12.

iv. DELETING A DATABASE

To delete a database for a site click on the database you want to delete (in this example we will choose INVENTORY) then click on the  button. The button will change with the database being viewed. See figure 12.

v. CLEAR ALL DATABASES FOR A SITE

To clear out all the databases for a particular site click on the

Clear Site

e. NAVIGATING THROUGH "QUERIES"

"Queries" is a database form that allows the user to enter a limit on what results they would like to see. See figure 13. To enter into Queries click on the

Queries

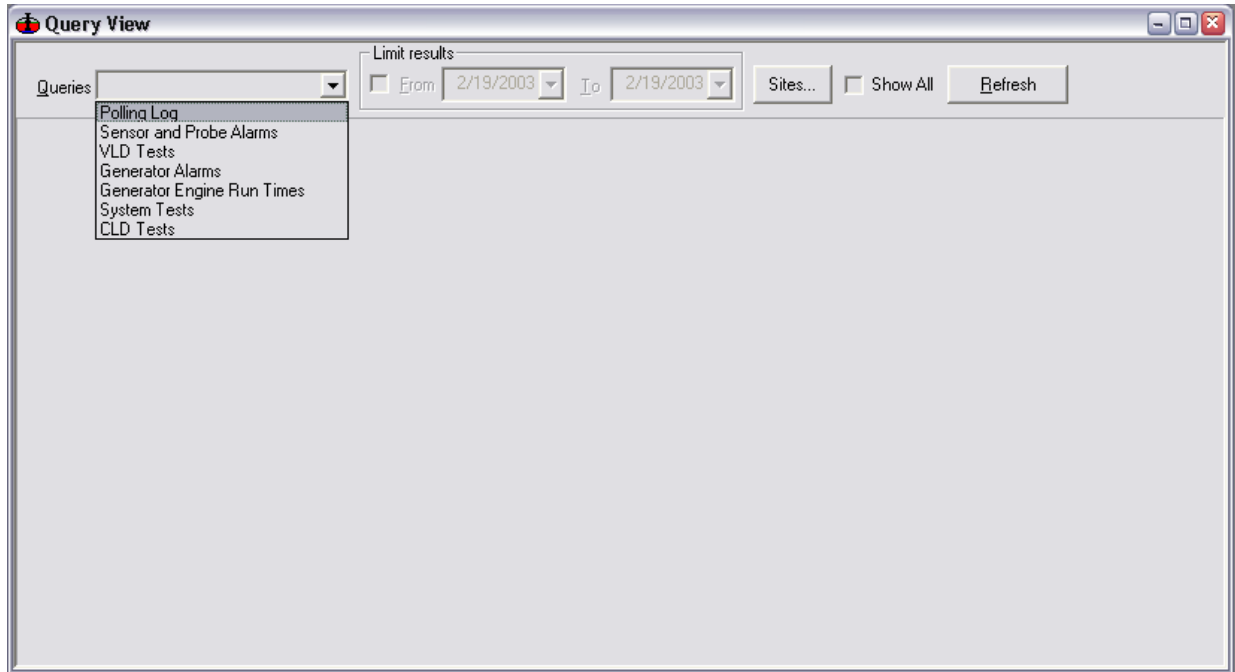


Figure 13. Queries View.

i. SELECTING REPORTS TO VIEW

You can select what reports to view from the database information by clicking on the dropdown menu next to "Queries", see figure 13. The following view options are available:

- Polling Log
- Sensor and Probe Alarms
- VLD Tests
- Generator Alarms
- Generator Run Times
- Systems Self Tests
- CLD Tests

ii. LIMITING RESULTS TO DATE

The "Limit Results" section allows you to limit the viewed report data to a specific time frame. To select "FROM" and "TO" dates click on the check box

next to "FROM". The down arrow next to each date box will open a calendar from which you can select your requested date. See figure 14. Click on the "refresh" button to display new results.

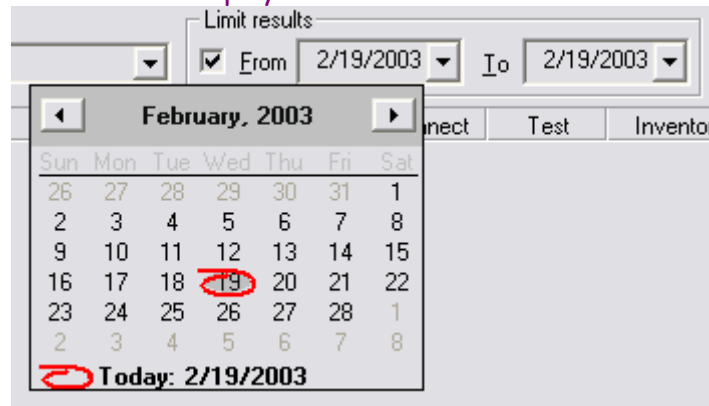



Figure 14. Limiting Results by Date Window

iii. LIMITING RESULTS TO SITE(S)

To limit the results of a report to a site or group of sites click on the  button from figure 13 and a window will open as in figure 15. You can select all the sites or you can select an individual site. To select two or more sites hold down the CTRL key while selecting sites.

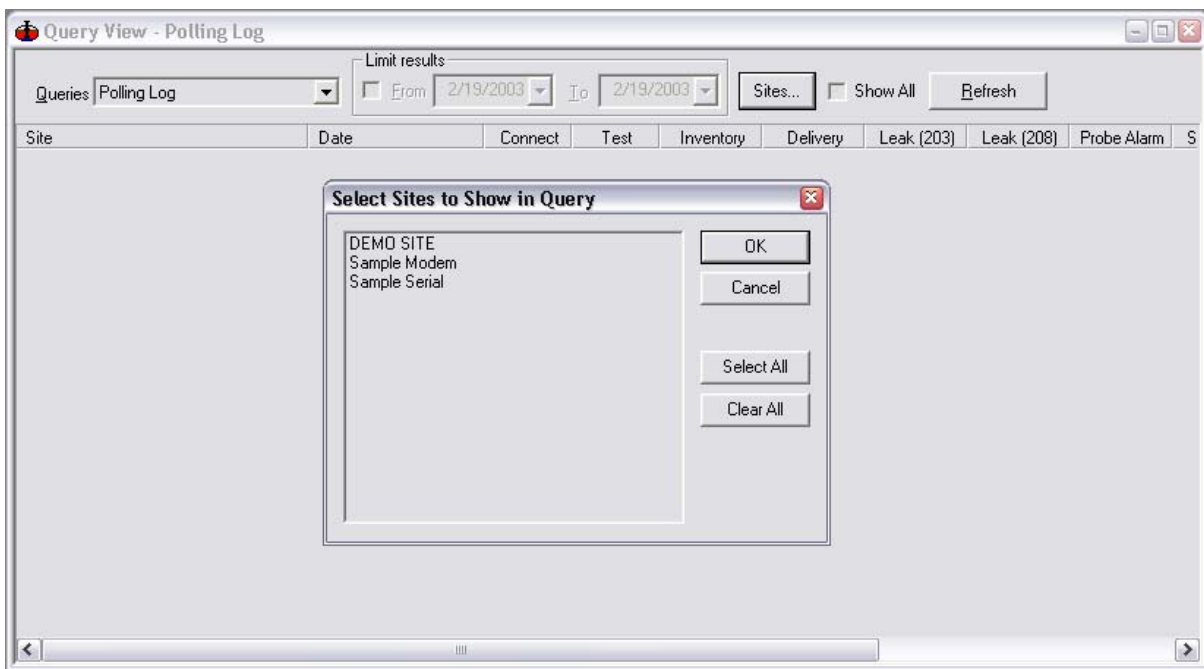


Figure 15. Limiting Results to Specific site(s).

3. CONNECTING TO A SITE

Connecting to a site requires that the site information from the site directory, see figure 6, has been filled in. Connecting to a site can be done via MODEM, RS232 or TCP/IP.

a. MAKE SURE ALL CABLES ARE ATTACHED FIRST

Make sure before connecting to any sites that the proper cables are being used.

MODEM: make sure if you are using a modem that a modem is installed in you PC and the telephone cable is connected.

RS232: make sure if you are using the serial connection you have a 9 pin serial cable connected from your PC serial port to the OEL8000II's COM3 port.

TCP/IP: make sure your network cable is plugged in to the RJ-45 (8-wire) connector and the network board is connected to the OEL8000II's COM3 port.

b. CONNECTING USING THE SERIAL PORT (RS232)

After making sure all connections are sound, click on the site directory button and highlight the site you want to open. Click on the CONNECT button to initiate communication.

The default settings for the OEL8000II using the RS-232 serial port are: 9600 baud, 8 data bits, NONE parity, 1 stop bit.

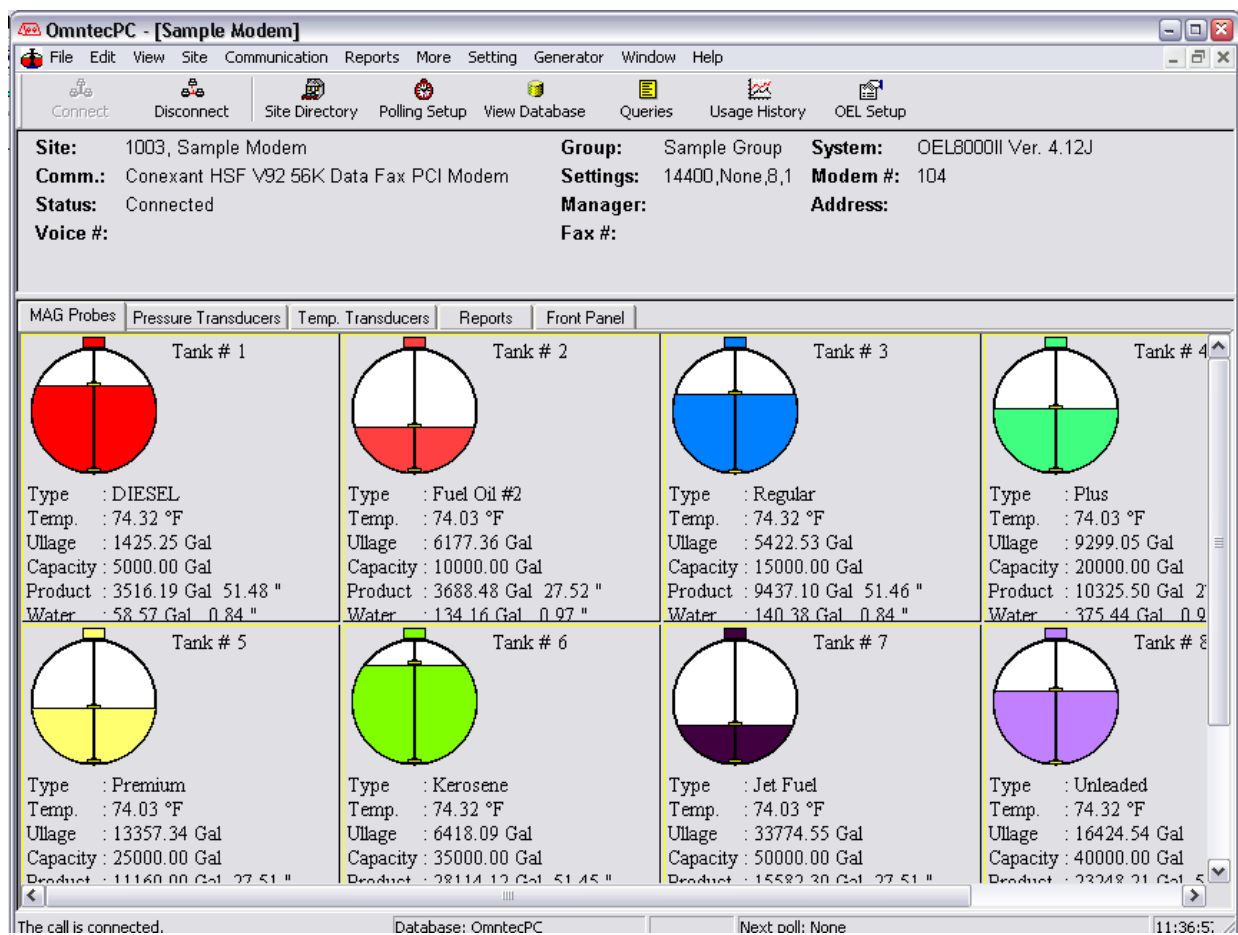


Figure 16A. Connecting to a site window.

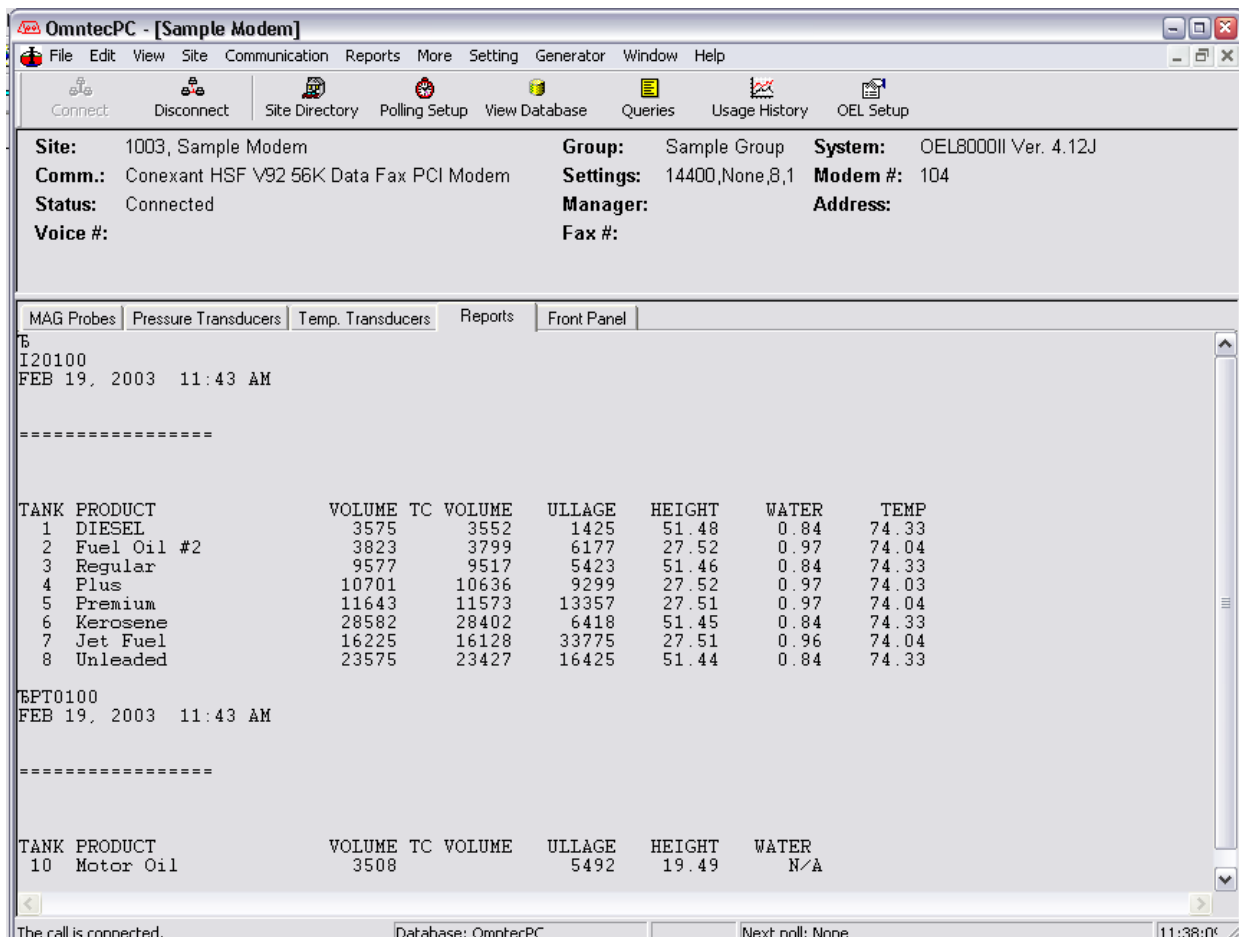


Figure 16B. Connecting to a site window.

c. CONNECTING USING THE MODEM

After making sure all connections are sound, click on the site directory button and highlight the site you want to open. Click on the **CONNECT** button to initiate communication.

Default settings for the OEL8000II using a modem connection are:
14400 baud, 8 data bits, NONE parity, 1 stop bit.

d. CONNECTING USING THE TCP/IP

After making sure all connections are sound, click on the site directory button and highlight the site you want to open. Click on the **CONNECT** button to initiate communication.

Default settings for the OEL8000II com3 port using a TCP/IP connection are:
57600 baud, 8 data bits, NONE parity, 1 stop bit.

e. FEATURES WHILE CONNECTED

Once connected to a site the window as seen in figure 16A will be displayed.

i. VIEWING REPORTS

While connected to the site you can view reports and see the information stored in the remote OEL8000II. You can view the reports listed in figure 17. Note: Depending on the remote system some of the reports may not be available.

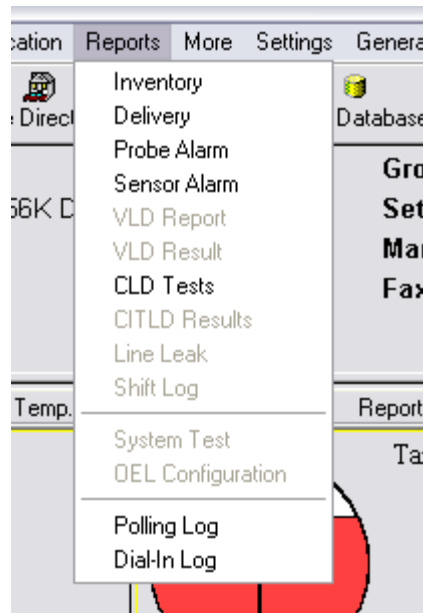


Figure 17. Reports Drop Down Menu.

1. INVENTORY

Figure 18 displays a sample INVENTORY report from the REPORTS menu.

I
I20100
JUN 13, 2002 11:22 AM

TANK	PRODUCT	VOLUME	TC	VOLUME	ULLAGE	HEIGHT	WATER	TEMP
1	DIESEL	2333		2318	2667	40.13	1.15	74.77
2	GAS	13644		13568	6490	80.83	1.16	68.09
3	NO. 2 FUEL OIL	1516		1507	3484	36.38	1.93	74.83
4	REGULAR	1589		1574	3411	38.14	1.85	74.71
5	KEROSENE	1391		1381	3609	33.38	2.27	74.63
6	PLUS	1080		1070	3920	25.91	2.95	74.51
7	AVIATION GAS	1749		1731	3251	41.97	1.58	74.45
8	JET FUEL	2443		2430	2557	58.63	0.46	71.47

Figure 18. Inventory Report.

2. DELIVERY

Figure 19 displays a sample DELIVERY report from the REPORTS menu.

```

I
I20200
JUN 13, 2002  11:19 AM

```

DELIVERY REPORT:

```

TANK: 2 GAS
INCREASE  DATE      TIME      GALLONS  TC GALLONS  WATER  TEMP-DEG-F  HEIGHT
END: TH 06/13/02 10:03:56 19464.9   19360.4    1.17    67.73    116.73
START: TH 06/13/02 10:02:07 16800.5   16712.1    1.17    67.57    97.99
AMOUNT:                                +2664.4    +2648.3

```

```

TANK: 2 GAS
INCREASE  DATE      TIME      GALLONS  TC GALLONS  WATER  TEMP-DEG-F  HEIGHT
END: TH 06/13/02 09:55:04 16713.2   16625.3    1.17    67.57    97.48
START: TH 06/13/02 09:54:42 15036.6   14957.6    1.17    67.57    88.11
AMOUNT:                                +1676.5    +1667.7

```

Figure 19. Delivery Report.

3. PROBE ALARM

Figure 20 displays a sample PROBE ALARMS report from the REPORTS menu.

```

I
I20600
JUN 13, 2002  11:23 AM

TANK ALARM HISTORY

TANK: 1 DIESEL
TANK: 2 GAS
HIGH PRODUCT ALARM    JUN 13, 2002  10:02 AM
LOW PRODUCT ALARM     JUN 13, 2002  09:13 AM
LOW PRODUCT ALARM     JUN 12, 2002  03:28 PM
HIGH PRODUCT ALARM    JUN 12, 2002  02:40 PM
LOW PRODUCT ALARM     JUN 12, 2002  01:51 PM
LOW PRODUCT ALARM     JUN 12, 2002  12:13 PM
HIGH PRODUCT ALARM    JUN 12, 2002  11:46 AM
TANK: 3 NO. 2 FUEL OIL
TANK: 4 REGULAR
TANK: 5 KEROSENE
TANK: 6 PLUS
TANK: 7 AVIATION GAS
TANK: 8 JET FUEL

```

Figure 20. Probe Alarm Report

4. SENSOR ALARM

Figure 21 displays a sample SENSOR ALARM report from the REPORTS menu.

I
I30200
JUN 13, 2002 11:23 AM

LIQUID ALARM HISTORY REPORT

SENSOR	LOCATION		
02	Tank#: 2, Label#: ?	JUN,12,2002 11:46AM	NO REPLY!
14	Tank#: 1	JUN,12,2002 11:45AM	HIGH LIQUID ALARM!
14	Tank#: 1	JUN,12,2002 12:13PM	LOW LIQUID ALARM!
14	Tank#: 1	JUN,12,2002 02:39PM	HIGH LIQUID ALARM!
14	Tank#: 1	JUN,12,2002 03:28PM	LOW LIQUID ALARM!
14	Tank#: 1	JUN,13,2002 09:14AM	LOW LIQUID ALARM!
14	Tank#: 1	JUN,13,2002 10:02AM	HIGH LIQUID ALARM!

Figure 21. Sensor Alarm Report.

5. VLD REPORTS

Figure 22 displays a sample VLD REPORTS from the REPORTS menu.

I
I20300
JUN 13, 2002 11:24 AM

VLD LOG DATA
TANK 1 DIESEL
TEST STATUS: OFF 0.2 GAL/HR TEST FAILED
TEST START TIME: TH 06/13/02 00:50:45 DURATION: 03:00:00 HOURS
START TEMP: 73.91 DEG F START VOLUME: 2319.298 GALLONS
ENDING TEMP: 72.50 DEG F LEAK RATE: -0.402 GALLONS/HR

TANK 2 GAS
TEST STATUS: OFF 0.2 GAL/HR TEST FAILED
TEST START TIME: WE 06/12/02 23:00:47 DURATION: 00:00:00 HOURS
START TEMP: 69.31 DEG F START VOLUME: 2137.391 GALLONS
ENDING TEMP: 67.36 DEG F LEAK RATE: -0.793 GALLONS/HR

TANK 3 NO. 2 FUEL OIL
TEST STATUS: OFF 0.2 GAL/HR TEST FAILED
TEST START TIME: TH 06/13/02 00:30:50 DURATION: 01:00:01 HOURS
START TEMP: 73.77 DEG F START VOLUME: 1507.201 GALLONS
ENDING TEMP: 72.36 DEG F LEAK RATE: -0.255 GALLONS/HR

Figure 22. VLD Reports.

6. VLD RESULTS

Figure 23 displays a sample VLD RESULTS report from the REPORTS menu.


```

I
I20800JUN 13, 2002 11:25 AM

PREVIOUS IN TANK LEAK TEST RESULTS

TANK 1    DIESEL
TEST TYPE START TIME      RESULT    RATE    HOURS    VOLUME
ANNUAL    DIESELTH 06/13/02 00:50:45 FAILED   -0.40   4.000   2320
PERIODIC  TH 06/13/02 00:50:45 FAILED   -0.40   4.000   2320
TANK 2    GAS
TEST TYPE START TIME      RESULT    RATE    HOURS    VOLUME
ANNUAL    GASWE 06/12/02 23:00:47 FAILED   -0.79   4.000   2140
PERIODIC  WE 06/12/02 23:00:47 FAILED   -0.79   4.000   2140

```

Figure 23. VLD result Report.

7. SELF TEST

Figure 24 displays a sample SYSTEM TEST report from the REPORTS menu.

```

I
RMTEST
JUN 13, 2002 11:27 AM

OEL8000II TEST RESULTS

---SITE INFORMATION:

Name:Mike's
Addr:marconi
Addr:
City, State, Zip: RONKONKOMA , NY 11779
SITE MANAGER: - J.W.
PHONE: - (631)981-2001
IDENTIFICATION #: - 01234567

RUNNING INTERNAL DIAGNOSTIC

---Testing PROM - PROM Tests OK

---Testing RAM - RAM Tests OK

---Testing Level Probes
T#  PRODUCT TYPE      TEST
T1  DIESEL            P
T2  GAS               P
T3  NO. 2 FUEL OIL    P

```

```

T4    REGULAR                                P
T5    KEROSENE                              P
T6    PLUS                                  P
T7    AVIATION GAS                          P
T8    JET FUEL                              P

---Testing Leak Sensors
S#  P/N    LABEL                                TEST
02  BXLS   T 2,Label#: ?                      P
      (S/N: 000013658)
03  BXLS   T 3,Sump#: 3                      P
      (S/N: 000013726)
04  BXLS   T 4,Sump#: ?                      P
      (S/N: 000014210)
05  BXLS   T ?, Label#: ?                    P
      (S/N: 000014220)
06  BXLS   T 6,Sump#: 6                      P
      (S/N: 000014240)
07  BXPWF  T ?, Label#: 0                    P
      (S/N: 210000005)
08  BXVS   T ?, Label#: 8                    P
      (S/N: 400011504)
09  BXUT1  T 1,LowLevel#: ?                  P
      (S/N: 500014010)
10  BXPT1  T 2,GAS                          P
      (S/N: 600000027)
11  BXLS   T 11,Label#: ?                   P
      (S/N: 000013657)
12  BXLS   T ?, Sump#: ?                     P
      (S/N: 000013652)
13  BXTCl  Freezer#: 1                      P
      (S/N: 610013801)
14  BXPT1  T 1,GAS                          P
      (S/N: 600000029)

S#= SENSOR NUMBER, P/N= PART NUMBER
T= TANK, P= PASS, A= ALARM, F= FAIL
S/N= SENSOR SERIAL NUMBER.

VER 3.20  ENG 042902w

```

Figure 24. System Self Test.

8. PRINT CONFIGURATION

Print configuration allows you to receive a hard copy of your site's parameters.

ii. GENERATOR INFORMATION (WITH CM250)

At least one CM250 External Device must be connected in order for this feature to be active. The GENERATOR menu options are: (See figure 25)

View Current Generator Data

View the Alarm log

Clear Fault Alarms (Control CM250)

Clear Alarm Log

Turn ON Engine

Turn Off Engine

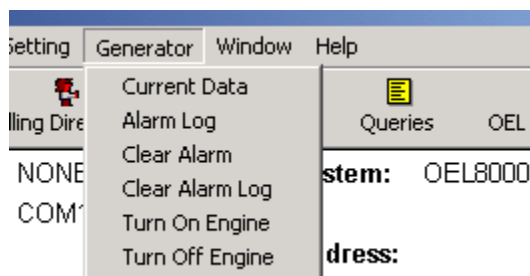


Figure 25. Generator (CM250) Drop Down Menu.

1. CURRENT DATA

Current data gives you what the Generator is doing as of that minute. You can view the following generator information: See figure 26.

Engine Number
 Date of information Extracted
 Oil Pressure (PSI)
 Temperature (Degrees F)
 Battery Voltage
 Speed (RPM)
 Frequency (HERTZ)
 Running Time Hours
 Engine On/Off
 Selector Switch
 Operation
 Transfer Switch
 Fault Alarms
 Phase 1, 2, 3 Voltage
 Phase 1, 2, 3 Amps
 Optional Relays for CM250 1-4
 Pre-Alarm Conditions 1-8

CM250 Current Data						
Group:	NONE					
Site:	New Site 1					
Date:	Thu 06/13/2002 11:38:18 AM					
Engine#	Date	Oil Pressure (PSI)	Temperature (Degrees F)	Battery (Volts)	Speed (RPM)	Frequency (Hertz)
a	06/13/2002 10:22 AM	46	123	12.4	4295	27.7
Running Time (Hours)	Engine Switch	Selector Switch	Operation	Transfer Switch	Alarm	
3064.6	On	Run	Manual (Local Control)	Open	No Alarm	

Phase 1 (Volts)	Phase 2 (Volts)	Phase 3 (Volts)	Phase 1 (Amps)	Phase 2 (Amps)	Phase 3 (Amps)	Relay 1	Relay 2	Relay 3	Relay 4
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
338	338	338	1690	1690	1690				
Pre-Alarm 1			Pre-Alarm 2			Pre-Alarm 3			
=====			=====			=====			
None			None			None			
Pre-Alarm 4			Pre-Alarm 5			Pre-Alarm 6			
=====			=====			=====			
None			None			None			
Pre-Alarm 7			Pre-Alarm 8						
=====			=====						
None			None						

Figure 26. Current Generator Report

2. CURRENT GENERATOR RUN TIME

If when first connected to the site, OMNTEC PC sends out a command to see if there are cm250 devices attached to the OEL8000II system. If there are any found, automatically the run time is displayed in the top right corner of the Connecting to Site window. See figure 27.

Generator Running Time:

Engine a: 3064.6 Hours

Figure 27. Generator Run Time.

3. ALARM LOG

Just like the CURRENT DATA for the Generators but it shows a history of any alarms logged. Each Engine stores up to fifty (50) entries each.

4. CLEAR ALARM

Only to be used with a CONTROL CM250 Device. This feature will reset the CM250 to Clear the Alarm Fault so the engine can be used again. See figure 28.

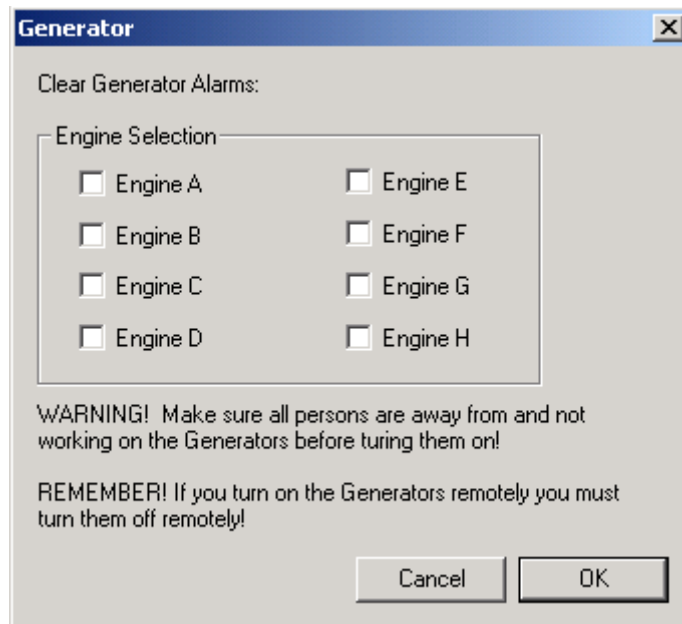


Figure 28. Clearing Generator Alarms

5. CLEAR ALARM LOG

This will clear the alarm log stored in the OEL8000II. As in figure 29, OMNTEC PC prompts you to select what engines alarm history to clear.

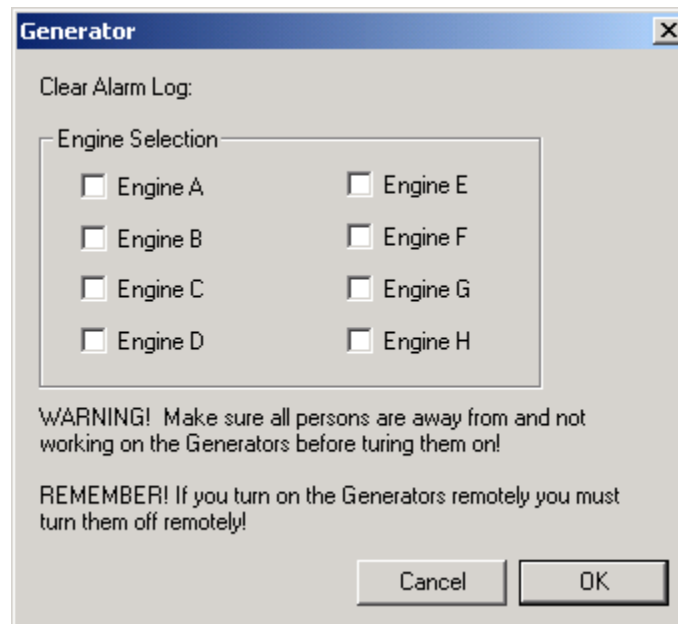


Figure 29. Clear Alarm Log for Generators.

6. TURN ON ENGINE

IMPORTANT: TURNING ON ENGINE REMOTELY IS VERY DANGEROUS. ONLY TO BE DONE BY AUTHORIZED PERSONNEL.

To turn on an engine remotely you must have a password to do so. Since the safety issues that comes with this only authorized employees are told what the password is. Nowhere in this documentation is the password revealed. Go below to follow the windows

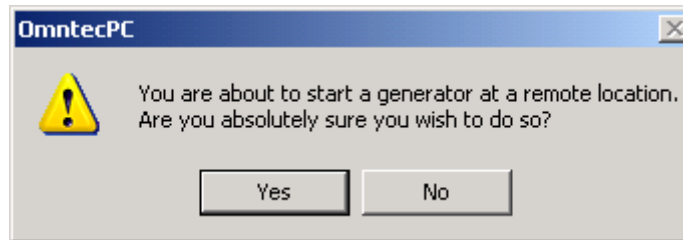


Figure 30. Warning Window for Starting a Engine.

Click YES or NO to this window. Clicking YES will go to figure 31.

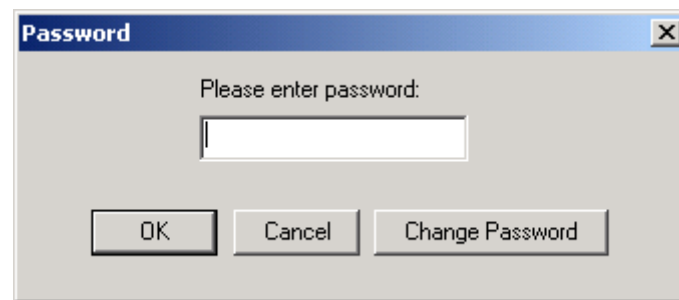


Figure 31. Password Window for Starting a Engine.

This is where you enter the password to start the engine. Enter the correct password then you will go to figure 33. You can also change the password here, as well as Click on the CHANGE PASSWORD button and you will then see figure 32.

Note: Password are only stored on the local PC.

Remember: If you start an engine remotely you must turn it off remotely. Engines will start up within 3 -5 seconds of sending the command.

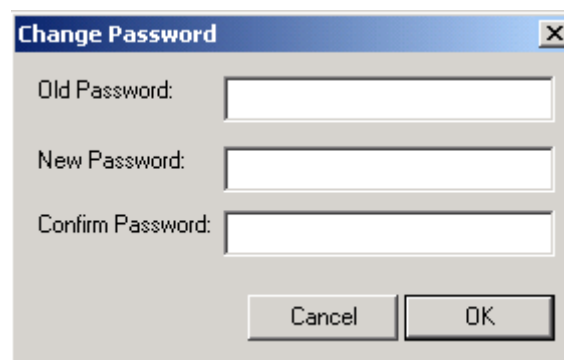


Figure 32. Password changing window.

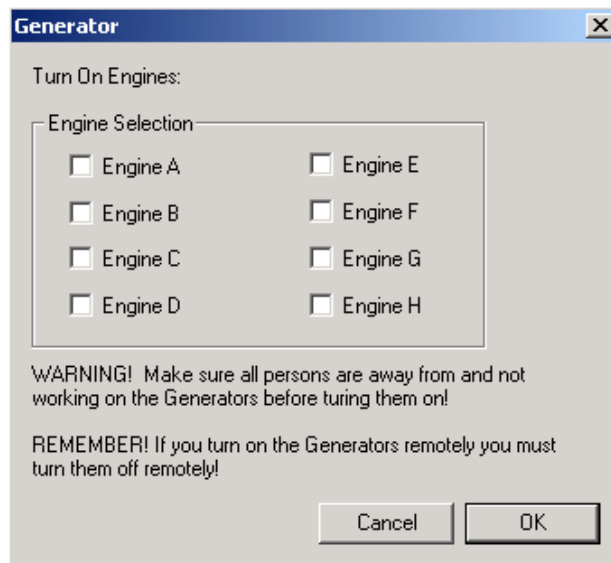


Figure 33. Select Engine Window for Starting a Engine.

7. TURN OFF ENGINE

Turning the engine off does not require a password. Just select what engine to shut off then click OK.

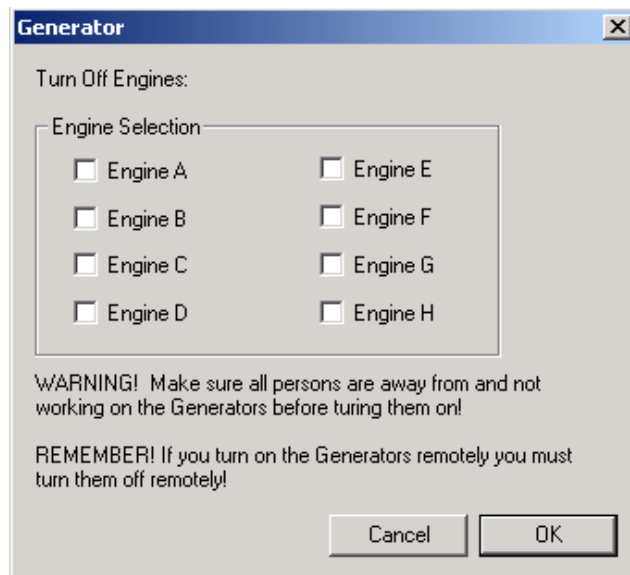
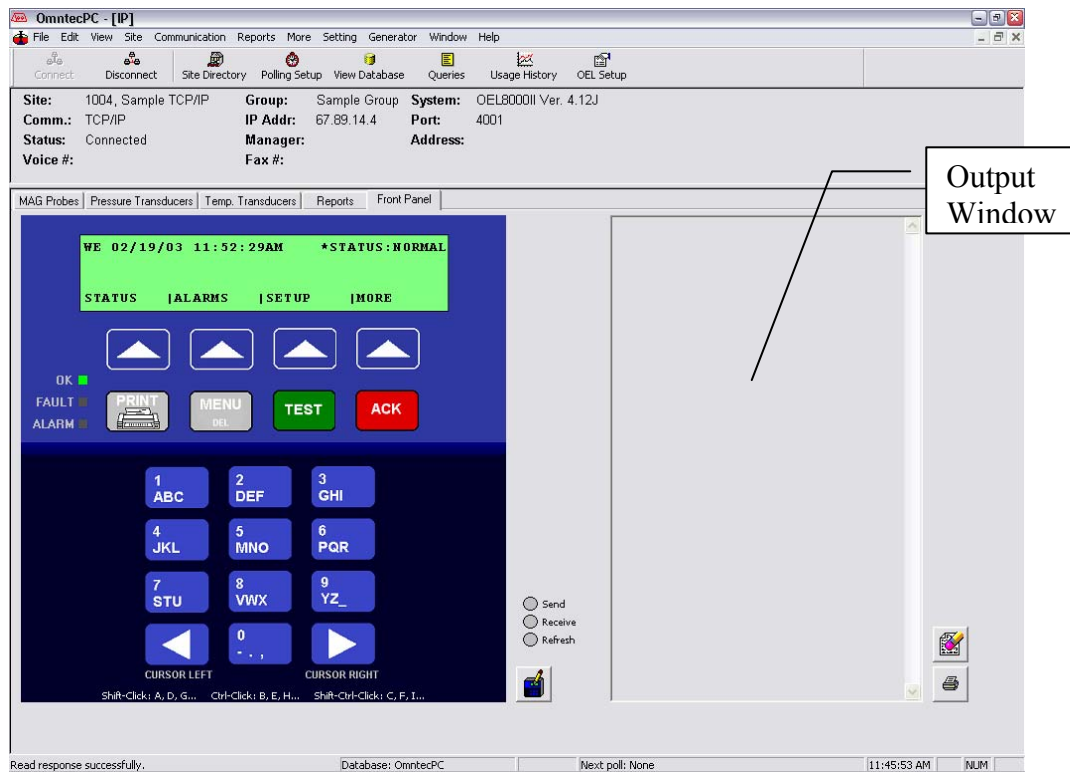


Figure 34. Stopping an Engine Window.

iii. FRONT PANEL

FRONT PANEL is available to OEL8000II versions 4.0 or later. Using Front Panel you can perform the same operations you would normally do in front of the system itself. When Front Panel is active it will update its display every 5

seconds, or you can force an update at any time by clicking on  button.



When you click on the Front Panel's button invoking command that print something to the system's printer (if system is equipped with one) the results will go to the output window instead. If your system does not have a printer using Front Panel is the only option to see command's output. To send output to system's printer press and hold Shift button on PC keyboard and click on desired button on the Front Panel. To make a hard copy of output window click



button. To clear output window use



button.