

MENU MAP

Getting Around the OEL8000II via the MAIN MENU



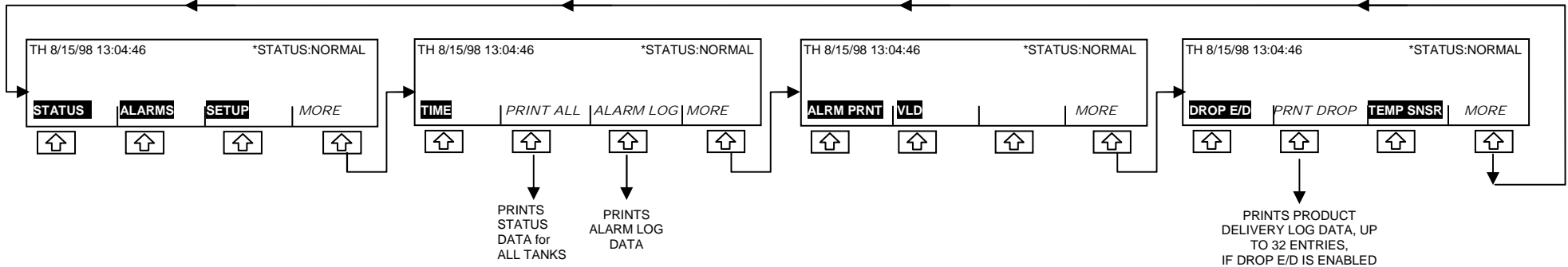
The four MAIN MENU screens provide the access point for all *functions* and **sub-menus**.
 Scroll through the four MAIN MENU screens by pressing the arrow key corresponding to the function *MORE*.


MAIN Menu Screen #1

MAIN Menu Screen #2

MAIN Menu Screen #3

MAIN Menu Screen #4



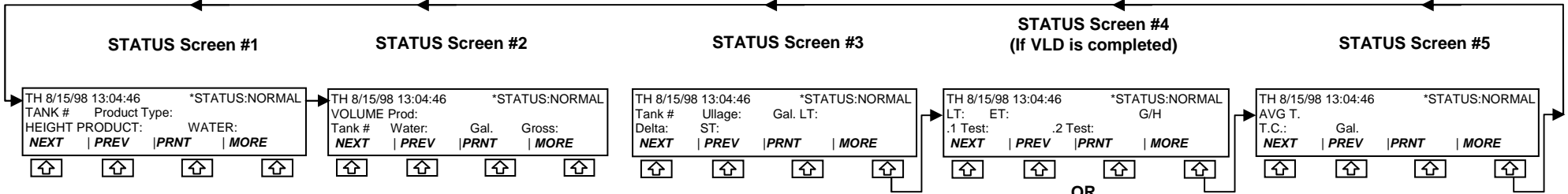
When entering a **sub-menu** turn to the section in the menu map with the appropriate heading. **Sub-menus** are listed in order from MAIN MENU screen #1 through screen #4. When a **sub-menu** is entered (via an arrow key) the  key or arrow pointing to *EXIT* will return you to the MAIN MENU screen #1.

The LCD provides a four line display screen. Four upward arrows correspond to the fields shown on the last line of the LCD. Each field is separated by a vertical line. Select a field by pressing the arrow that points to it. A field represents either a **sub-menu** (which has its own screen or set of screens) or a *function* (which is an action button). A helpful beep will sound when an unavailable option is chosen—try another function.

OEL8000II SUB-MENUS

STATUS

The status sub-menu contains tank data. When this sub-menu is entered, it brings you to the last status screen that was used. The screens below are numbered for clarity.



FUNCTIONS

- Use "MORE" to scroll STATUS screens
- Use "NEXT" to view same screen different tank (Tank #1 – 8)
- Use "PREV" to view same screen previous tank (Tank #1 – 8)
- Use "PRNT" to print information specific to tank being viewed
- Note: Pressing "MENU" key will return you to MAIN MENU screen #1

OR STATUS Screen #4 (If VLD is in progress)

```

TH 8/15/98 13:04:46 *STATUS:NORMAL
Calculating Start Volume:
Gals. ET:
NEXT | PREV | PRNT | MORE
    
```

ALARM

Provides information on any warning or alarm situation if one exists.



ALARMS Screen when STATUS: NORMAL

```

TH 8/15/98 13:04:46 *STATUS:NORMAL
PRNT ALRM | | |
    
```

OR

ALARMS Screen when warning or alarm exists

```

TH 8/15/98 13:04:46 *STATUS:ALARM
1 ALARM CONDITION(S) EXISTS
PRNT | | |
    
```

Alarm display screen (probe alarm data)

```

TH 8/15/98 13:04:46 *STATUS:ALARM
HIGH WATER LEVEL ALARM IN TANK 1
5.1 IN. ALARM POINT 5 IN.
PRNT ALRM | | |
    
```

FUNCTIONS

- Use "PRNT ALARM" for site and alarm information
- Use "PRINT" for alarm information, (probe or sensor).
- Pressing the **ACK**. Key will silence the horn and return you to **MAIN MENU** screen #1.
- Note: Pressing the "MENU" key will return you to MAIN MENU screen #1.

SETUP



ONLY QUALIFIED AND AUTHORIZED PERSONNEL MAY ENTER SETUP.

SETUP MENU is used to program the controller. Pressing the arrow key that corresponds to "EXIT" will return you to MAIN MENU Screen #1.

ENTER SECURITY CODE

GO TO SETUP MENU ON PAGE 4

TIME



Used to set time variables, (present day, date, and military time).

TIME Screen

```

TH 8/15/98 13:04:46 *STATUS:NORMAL
Adjust The Day of the Week
TH 07/16/98 14:59:50
ENTER | INCREASE | DECREASE | NEXT
    
```

***NOTE: Pressing the "ENTER" arrow will return you to MAIN MENU Screen #2.

FUNCTIONS

- Use "INCREASE" to change the entry of the time variable the cursor is under.
- Use "DECREASE" to change the entry of the time variable the cursor is under.
- Use "NEXT" to toggle to the other time variables.
- Use "ENTER" only after all correct time variables are displayed.

ALRM PRNT

Activates automatic alarm printout feature.



ALRM PRNT Screen

TH 8/15/98 13:04:46	*STATUS:NORMAL			
Enable auto print alarm report E/D				
D				
E/D				EXIT

FUNCTIONS

- Use “E/D” to enable or disable automatic alarm and VLD printout
- Use “EXIT” to return to MAIN MENU Screen #3.

DROP E/D

Enables the controller to store data for the last 32 system-wide drops. When this feature is enabled an automatic print record of product deliveries will be provided as well.



DROP E/D Screen

TH 8/15/98 13:04:46	*STATUS:NORMAL			
Enable auto delivery report E/D				
Delivery Report Enabled				
E/D				EXIT

NOTE: If line 3 states “Delivery Report Disabled” no data for delivery will be stored and so no print out will be available.

FUNCTIONS

- Use “E/D” to toggle between Enable and Disable.
- Use “EXIT” to return to MAIN MENU Screen #4.

VLD



DO NOT PRESS “ENTER” UNTIL YOU’VE READ PG. 3-18 AND 3-19 OF THE OWNERS MANUAL

VLD is the Volume Leak Detection test. The average leak rate is calculated based on the detected product loss in gallons over a four hour period. This value is compared to both EPA leak rate standards.

VLD Screen

TH 8/15/98 13:04:46	*STATUS:NORMAL			
Set Leak Test Tank#, (1-8, 0 for All)				
ENTER		PRNT LOG		EXIT

FUNCTIONS

- Use “ENTER” (after putting the appropriate tank number or 0 for all) to run the VLD test.
Note: The VLD test requires 4 hours plus dwell time.
- Use “PRNT LOG” for print out of the last 32 VLD reports.
- Use “PRNT LAST” (after inputting a specific tank number) to print the last VLD test for that tank.
- Use “EXIT” to return to MAIN MENU Screen #1.

TEMP SNSR



TEMP SNSR Screen

TH 8/15/98 13:04:46	*STATUS:NORMAL			
"Label" temperature (F)				
NEXT				EXIT

Next goes to the next temperature sensor

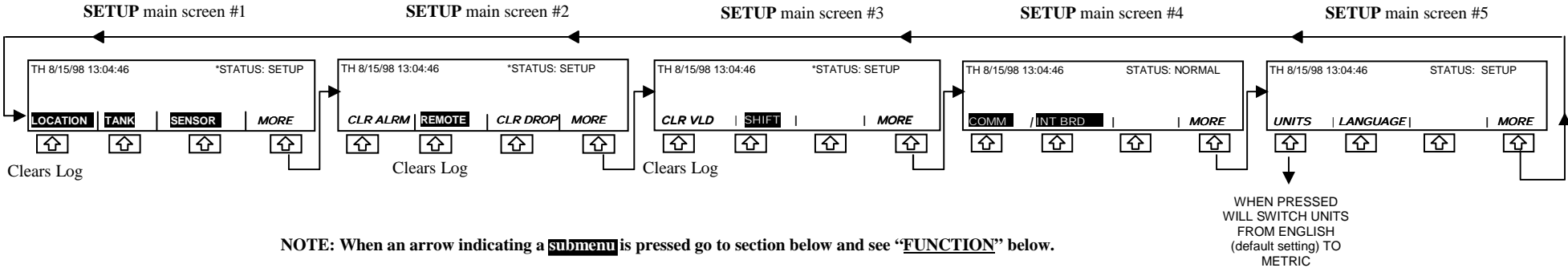
“TEMP SNSR” will only appear if temperature sensors (BX-TC-1) are hooked up to the system.

SETUP




The SETUP menu is used to enter or change program data by authorized and qualified personnel only. Use the "MORE" function to scroll through the 5 main SETUP screens, (see below). While in a main SETUP screen the MENU DEL key will return you to MAIN MENU Screen #1, (see page 1).

NOTE: Input's preceded by an asterisk may not be changed under any circumstance.



NOTE: When an arrow indicating a submenu is pressed go to section below and see "FUNCTION" below.

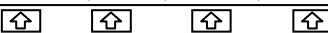
LOCATION



LOCATION SCREEN


TH 8/15/98 13:04:46 *STATUS: SETUP
SET SITE NAME

ENTER | EXIT | PRNT | PREV



- Input screens within LOCATION
1. Set Site Name
 2. Security Code
 - *3. VLD Time (4 Hours)
 - *4. VLD Dwell Time (30 min)
 5. Drop Threshold
 6. Drop Dwell
 7. Site (street) address line 1
 8. Site (street) address line 2
 9. Site City
 10. Site State
 11. Site Zip
 12. Site Phone
 13. Site Manager
 14. Site ID# (serial #)
- * **Do not change input!!!**

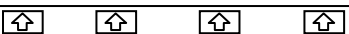
TANK



TANK SCREEN

TH 8/15/98 13:04:46 *STATUS: SETUP
ENTER THE TANK NUMBER, (1-8)

ENTER | EXIT | |




- NOTE:** Inputs are tank specific, enter tank # to be programmed. Repeat all inputs for subsequent tanks
- Input screens within TANK
- | | |
|--------------------------------------|------------------------------|
| 26. Enable / disable level probe | 14. Hi/hi alarm point |
| 27. Product type name | 15. Tank diameter |
| 28. Coefficient of thermal expansion | 16. Probe length |
| 29. Tank tilt | 17. Tank capacity |
| 30. Product null | 18. Volume offset |
| 31. Water null | 19. Enable automatic VLD |
| 32. Probe thermistor type | 20. Automatic VLD interval |
| 33. Probe wire speed | 21. Automatic VLD date |
| 34. Hi water alarm point | 22. Automatic VLD day |
| 35. Low/low alarm point | 23. Automatic VLD daily time |
| 36. Low product trigger point | 24. Table size |
| 37. Hi product trigger point | 25. Tank volume table |
| 38. Hi warning point | |

This menu map was developed to enhance the user friendliness of the OEL8000II. It is not meant to substitute for the Owner's Manual and/or Installation Manual. To enter or change data, the **manuals must be consulted** for necessary information to maintain safety protocols and optimize the performance of the OEL8000II. Please consult the appropriate manual for detailed step-by-step instructions and explanations, (see the table of contents).

If you have any questions, please contact OMNTEC Mfg., Inc. at (631) 981-2001.

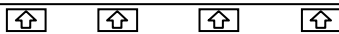
- Functions**
- ◆ Use "ENTER", to enter the data on line 3 and proceed to the next input screen.
 - ◆ Use "EXIT" to return to "SETUP" Main Screen #1.
 - ◆ Use "PRINT" to print out data related to that submenu.
 - ◆ Use "PREV" to return to a previous input screen.

REMOTE




TH 8/15/98 13:04:46 *STATUS: SETUP
SET SITE ALARM ACK. TIME, ### MIN

ENTER | EXIT | PRINT | PREV



- Input Screens within REMOTE
1. Set Site Alarm Ack. Time, controller's horn.
 2. Remote Horn Timeout.
 3. Remote Horn Time Enable.

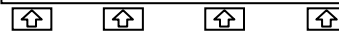
SHIFT



SHIFT SCREEN

TH 8/15/98 13:04:46 *STATUS: SETUP
SET SHIFT 1 START TIME, 00:00-23:59

ENTER | EXIT | E/D | PREV



Use "E/D" to enable or disable this feature. The "E/D" button must be pressed to see if "SHIFT" is enable or disabled (Consult Installation Manual for Programming).

SENSORS



SENSOR SCREEN #1

```

TH 8/15/98 13:04:46 *STATUS: SETUP
CONFIG | TEST | EXIT
    
```

SENSOR SCREEN #2

Finding sensors on the buss

```

TH 8/15/98 13:04:46 *STATUS: SETUP
# OF SENSORS FOUND
OK | RE-FIND | EXIT
    
```

WILL RE-SEARCH FOR SENSORS TO SENSOR SCREEN #1

SENSOR SCREEN #3

Selecting a sensor label

```

TH 8/15/98 13:04:46 *STATUS: SETUP
1:BX-PDS SENSOR SN:200123456
NEED LOCATION LABEL...
SUMP | DBLEWALL | DISP | OTHER
    
```

CHOOSE PRE-SELECTED LABEL HAND TYPE LABEL

SENSOR SCREEN #3

Selecting tank # and label #

```

TH 8/15/98 13:04:46 *STATUS: SETUP
1:BX-PDS SENSOR SN:200123456
TANK # LABEL #
ENTER | ERASE ALL | EXIT
    
```

TO NEXT SENSOR ERASES ALL LABELS FOR THAT SENSOR TO SENSOR SCREEN #1

SENSOR SCREEN #5

Testing and deleting sensors on the buss

```

TH 8/15/98 13:04:46 *STATUS: SETUP
01: NORMAL
BX-PDS SENSOR TANK #1, SUMP #1
PAUSE | CONT. | DELETE | EXIT
    
```

STOP TEST CONTINUE TEST DELETE SENSOR TO SENSOR SCREEN #1

COMM



Communications setup

```

TH 8/15/98 13:04:46 *STATUS: SETUP
SERIAL | MODEM | BACK
    
```

```

TH 8/15/98 13:04:46 *STATUS: SETUP
MAKE A SENSOR SELECTION OR PRESS
MENU TO EXIT SETUP
COM1 | COM2 | COM3 | BACK
    
```

EXTERNAL DEVICE COMMUNICATIONS SERIAL COMMAND COMMUNICATION AND SETTINGS

COM1
 0. None
 1. DAC-BB (single 4-20mA)
 2. MSS2 (Multi DAC-BB 4-20mA)
 3. 2400 disp (remote display)
 4. 9600 disp (remote display)

COM2
 0. None
 1. DAC-BB
 2. MSS2
 3. 2400 disp
 4. CM250(4) 1-4 generators
 5. CM250(5) 1-8 generators
 6. 9600 disp

COM3
 Baud rate - 300,600,1200,2400,4800,9600,14400,19200,28000,57600
 Parity - none, odd, even
 Data bits - 7,8

Autofax / data modem options
 SET Auto dial 8 numbers
 SET alarm data
 SET VLD data
 SET drop data
 SET shift data

INT BRD



Set-up menu screen #4

```

TH 8/15/98 13:04:46 *STATUS: SETUP
COMM | INT BRD | MORE
    
```

```

TH 8/15/98 13:04:46 *STATUS: SETUP
1 none 2 relay 3 annuc
4 lo voltage 5 none 6 none
SLCT BRD | PROG BRD | PRINT | EXIT
    
```

SLCT BRD will toggle through the interface boards.

```

TH 8/15/98 13:04:46 *STATUS: SETUP
SLCT OUT | PROG OUT | CLR OUT | EXIT
    
```

SLCT OUT to change the relay output number. Once the desired relay is displayed press PROG OUT to program the selected output. Electing CLR OUT will clear all selections for selected output.

```

TH 8/15/98 13:04:46 *STATUS: SETUP
Slot #2 relay output #1
Select output activator source
TANK | SENSOR | EXIT
    
```

```

TH 8/15/98 13:04:46 *STATUS: SETUP
Slot#: 2 relay out 1 Sensor #1
Tank #1 Sump #1 disabled
NEXTSNSR|ENBL/DIS| BACK
    
```

TANK# will scroll through tanks 1-8. Select tank # then SLCT COND. Select the condition then select ENBL/DIS to enable or disable this condition.

```

TH 8/15/98 13:04:46 *STATUS: SETUP
Hi/hi prod D Lo/lo prod D VLD D
Hi prod D Lo prod D Hi water D
TANK#1 | SLCT COND | ENBL/DIS | EXIT
    
```