



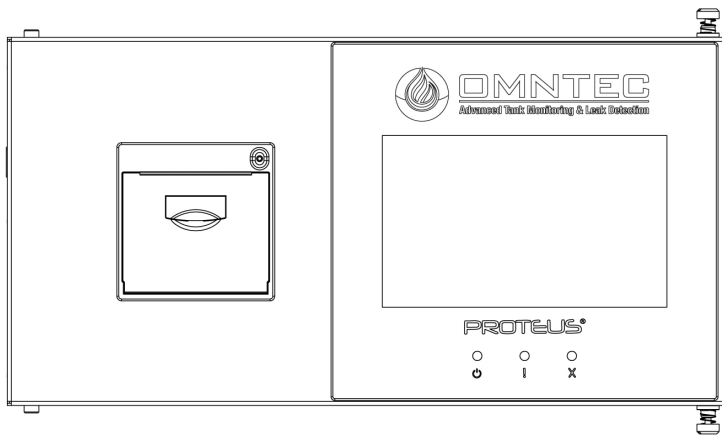
OMNTEC
Advanced Tank Monitoring & Leak Detection



1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

OEL8000III-K | OEL8000III-X

SYSTEM OPERATING MANUAL



PROTEUS® Series TANK GAUGING SYSTEM GenIV

Revision 1.1

Document No. DI00009

OMNTEC Mfg., Inc. has been certified
by DQS Inc. to ISO 9001:2015

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For PROTEUS® OEL8000III-K Installation Manual: Refer to document number DI00010
For PROTEUS® OEL8000III-X Installation Manual: Refer to document number DI00011
For PROTEUS® System Programming Manual: Refer to document number DOC00008
For PROTEUS® Thermal Paper Installation: Refer to document number DI00002

The above documents can be found at www.omntec.com/support/documents

1. MAIN MENU

SLEEP SCREEN: Based on the amount of BACK LIGHT TIMEOUT set, the screen will dim after the controller has been idle for the set time. Press anywhere on this screen to return to the active screen.

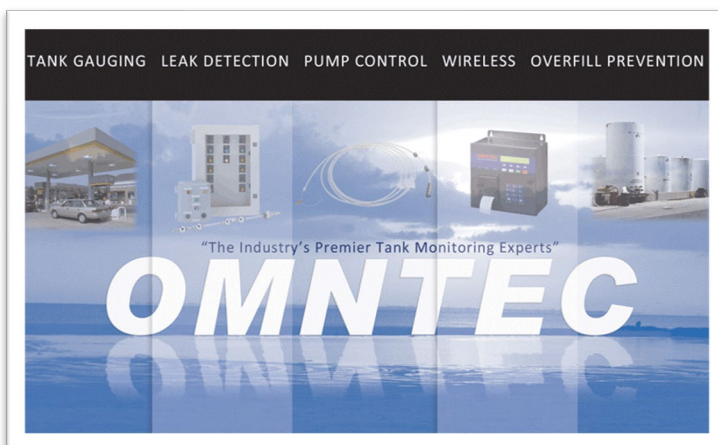


Figure 1.1

SYSTEM STATUS MENU: This menu is set as the factory-default screen; other home screen views are available (see UTILITIES > SETUP MENU > MISC. SETTINGS PAGE 2).

The MAIN MENU will allow you to navigate to the following submenus:

- INVENTORY
- REPORTS
- ALARMS
- COMPLIANCE
- SENSOR STATUS
- UTILITIES.

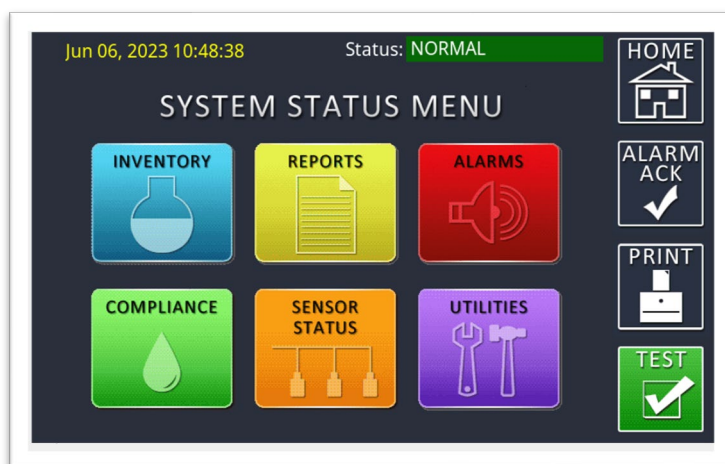



Figure 1.2

You can also acknowledge alarms, open the print menu, and perform a system test. (See Figure 1.2)

2. INVENTORY






The INVENTORY screen will show four tanks on each page. It will display the TANK NUMBER, PRODUCT TYPE, GALLON AMOUNT, and GROSS VOLUME PERCENTAGE.

Pressing  will allow the user to display the next set of four tanks*. (See Figure 2.1)

*A greater than 4-tank system requires an 8-channel probe card, or PROTEUS® X series controller.

DETAILED VIEW: By pressing a specific tank, the controller will show you more information. Here, you can view GROSS VOLUME and PERCENTAGE, PRODUCT and WATER HEIGHT, PRODUCT and WATER VOLUME, TEMPERATURE COMPENSATED VOLUME (T.C.), and TEMPERATURE.

By pressing  and , you can scroll between your available tanks. Additionally, listed is the TOTAL CAPACITY of the tanks. (See Figure 2.2)

ZOOMED VIEW: If you press , the controller will display GROSS VOLUME and PERCENTAGE, GROSS HEIGHT, and ULLAGE. You can change the ullage percentage, between 80 - 100%, from within the SETUP MENU. (See Figure 2.3)

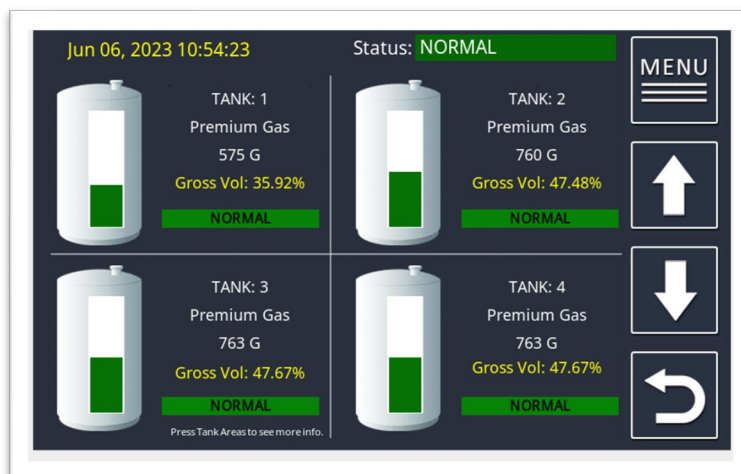


Figure 2.1

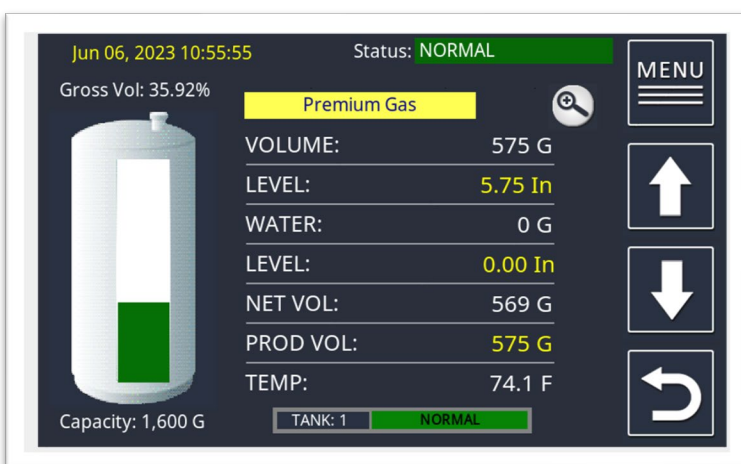


Figure 2.2

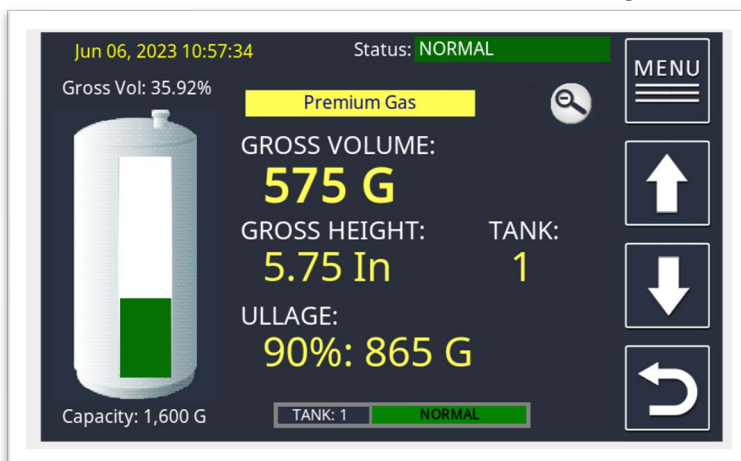


Figure 2.3

DELIVERY IN PROGRESS: A

DELIVERY IN PROGRESS will display a small **D** icon next to the corresponding tank.

VLD TEST IN PROGRESS: A VLD TEST IN PROGRESS will display a small **L** icon next to the corresponding tank.

(See Figure 2.4)

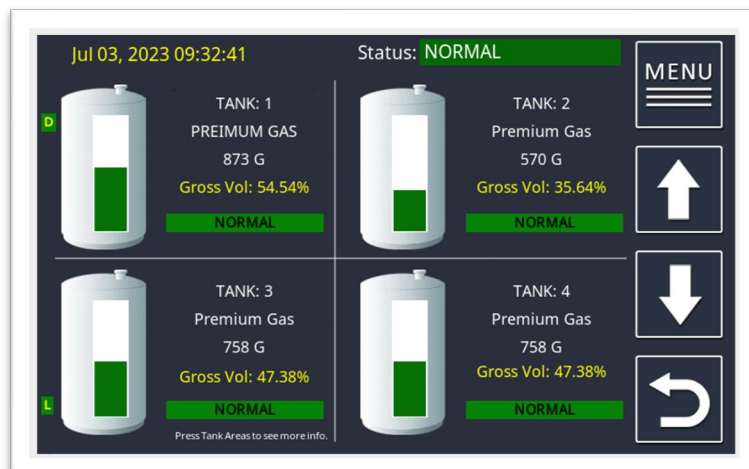


Figure 2.4

3. REPORTS



This is used to view different logs that are stored in the system.

(See Figure 3.1)



Figure 3.1

- a) **ALARM LOG:** Displays the alarm history.
- b) **DELIVERY LOG:** Displays the delivery results for each tank.
- c) **SHIFT LOG:** Displays shift report data for each tank.
- d) **VLD LOG:** Displays VLD (Volumetric Leak Detection) results for each tank.
- e) **SYSTEM TEST:** Displays the current system test results without printing or checking relays.
- f) **CITLD LOG:** Displays CITLD (Continuous In-Tank Leak Detection) results for each tank. CITLD is only available with controllers that upgraded with an optional CITLD-enabled code.

3.1 ALARM LOG



Brings you to the following page that allows you to select which probes and sensors you choose

to view past alarms.

(See Figure 3.1.1)

Figure 3.1.1

- TANK/SENSOR NUMBER:** Drop down (▼) selection option used to select different tanks and sensors. Defaulted to ALL. *Note: Only enabled tanks and sensors found are available.*
- USE DATE RANGE (check box):** When enabled, provides selectable START DATE and STOP DATE drop down (▼) selection options for the selected tanks and sensors.
- SHOW LOGS:** After pressing SHOW LOGS, the following screen will appear and show the alarm reports.
(See Figure 3.1.2)

LOG #	Tank	Alarm Description
1	Tank 4: Premium Gas	High Product Alarm Clear
	Jun 06, 2023 09:34:20	Alarm Cleared
2	Tank 4: Premium Gas	Over Fill Alarm Clear
	Jun 06, 2023 09:34:14	Alarm Cleared
3	Tank 3: Premium Gas	High Product Alarm Clear
	Jun 06, 2023 09:34:09	Alarm Cleared
4	Tank 3: Premium Gas	Over Fill Alarm Clear
	Jun 06, 2023 09:34:03	Alarm Cleared

Figure 3.1.2

3.2 DELIVERY LOG



Brings you to the following page to select a specific tank in which to view delivery data.

(See Figure 3.2.1)

Figure 3.2.1

- TANK/SENSOR NUMBER:** Drop down (▼) selection option used to select between enabled tanks to view their delivery data. Defaulted to ALL.
- USE DATE RANGE (check box):** When enabled, provides selectable START DATE and STOP DATE drop down (▼) selection options for selected tanks.
- SHOW LOGS (yellow button):** After pressing, the following screen will appear and show the logs for the selected tank. (See Figure 3.2.2)

** DELIVERY LOG **		
LOG # 1	Tank 1: Premium Gas	Gross Drop: 822.84 G
	Jun 06, 2023 09:30:04	Jun 06, 2023 09:33:21
LOG # 2	Tank 4: Premium Gas	Gross Drop: 768.00 G
	Jun 06, 2023 09:30:04	Jun 06, 2023 09:30:22
LOG # 3	Tank 2: Premium Gas	Gross Drop: 771.34 G
	Jun 06, 2023 09:30:04	Jun 06, 2023 09:30:22
LOG # 4	Tank 3: Premium Gas	Gross Drop: 768.00 G
	Jun 06, 2023 09:30:04	Jun 06, 2023 09:30:22

13 Number of Logs

NOTE: PRESS ON A LOG TO SEE MORE DATA.
(For SHIFT, DELIVERY, VLD and CITLD Logs)

Figure 3.2.2

- d) By pressing a specific log, you can display more detailed information.

(See Figure 3.2.3)

LOG # 1 **** DELIVERY LOG ****

START DATA		END DATA
Tank 01: Premium Gas		Gross Drop: 822.84 G
Time: Jun 06, 2023 09:30:04		Jun 06, 2023 09:33:21
PRODUCT:	643.81 G	1466.64 G
PRODUCT:	6.44 G	14.67 G
WATER:	0.00 G	0.00 G
WATER:	0.00 G	0.00 G
TC VOL:	638.23 G	1452.68 G
TEMPERATURE:	72.35 G	73.56 G

13 Number of Logs

Navigation icons: HOME, Up, Down, Refresh.

Figure 3.2.3

3.3 SHIFT LOG



Brings you to the following page to select a specific tank in which to view shift data for that tank.

(See Figure 3.3.1)

- TANK/SENSOR NUMBER:** Drop down (▼) selection option used to toggle between enabled tanks to view shift data. Defaulted to ALL.
- USE DATE RANGE (check box):** When enabled, provides selectable START DATE and STOP DATE drop down (▼) selection options for selected tanks.
- SHOW LOGS (yellow button):** After pressing, the following screen will appear and show the logs for the selected tank.

(See Figure 3.3.2)

←BACK **T#S#DATE RANGE OPTIONS**

Tank/Sensor Number
ALL ▼

☐ **USE DATE RANGE**

Start Date
June ▼ 06 ▼ 2023 ▼

Stop Date
June ▼ 06 ▼ 2023 ▼

SHOW LOGS

Figure 3.3.1

Jun 06, 2023 11:09:20 Status: **NORMAL**

**** SHIFT LOG ****

LOG # 1	Tank 4: Premium Gas	Jun 06, 2023 00:30:00
	Start Vol: 832.05 G	End Vol: 832.05 G
LOG # 2	Tank 3: Premium Gas	Jun 06, 2023 00:30:00
	Start Vol: 832.05 G	End Vol: 832.05 G
LOG # 3	Tank 2: Premium Gas	Jun 06, 2023 00:30:00
	Start Vol: 828.71 G	End Vol: 828.71 G
LOG # 4	Tank 1: Premium Gas	Jun 06, 2023 00:30:00
	Start Vol: 643.85 G	End Vol: 643.85 G

60 Number of Logs

NOTE: PRESS ON A LOG TO SEE MORE DATA.
(For SHIFT, DELIVERY, VLD and CITLD Logs)

Navigation icons: HOME, Up, Down, Refresh.

Figure 3.3.2

- d) By pressing a specific log, you can display more detailed information.
(See Figure 3.3.3)

LOG # 1		** SHIFT LOG **	
START DATA		END DATA	
Tank 04: Premium Gas			
Time:	Jun 06, 2023 00:30:00	Jun 06, 2023 06:30:00	
Product:	832.05 G	832.05 G	
Product:	8.32 In	8.32 In	
Water:	0.00 G	0.00 G	
Water:	0.00 In	0.00 In	
TC Volume:	824.58 G	825.10 G	
Temperature:	72.80 F	71.91 F	

60 Number of Logs

Figure 3.3.3

3.4 VLD (VOLUMETRIC LEAK DETECTION) LOG



Brings you to the following page to select a specific tank in which to view VLD results. VLD is a 4-hour test that you cannot disrupt. It evaluates for leaks in underground storage tanks.
(See Figure 3.4.1)

- TANK/SENSOR NUMBER:** Drop down (▼) selection option used to select between enabled tanks to view VLD results. Defaulted to ALL.
- USE DATE RANGE (check box):** When enabled, provides selectable START DATE and STOP DATE drop down (▼) selection options for selected tanks.
- SHOW LOGS (yellow button):** After pressing, the following screen will appear and show logs for the selected tank.
(See Figure 3.4.2)

LOG #		** SHIFT LOG **	
1	Tank 4: Premium Gas	Jun 06, 2023 00:30:00	
	Start Vol: 832.05 G	End Vol: 832.05 G	
2	Tank 3: Premium Gas	Jun 06, 2023 00:30:00	
	Start Vol: 832.05 G	End Vol: 832.05 G	
3	Tank 2: Premium Gas	Jun 06, 2023 00:30:00	
	Start Vol: 828.71 G	End Vol: 828.71 G	
4	Tank 1: Premium Gas	Jun 06, 2023 00:30:00	
	Start Vol: 643.85 G	End Vol: 643.85 G	

60 Number of Logs

NOTE: PRESS ON A LOG TO SEE MORE DATA.
(For SHIFT, DELIVERY, VLD and CITLD Logs)

Figure 3.4.1

BACK T#\S#\DATE RANGE OPTIONS

Tank/Sensor Number
ALL ▼

☐ USE DATE RANGE

Start Date
June ▼ 06 ▼ 2023 ▼

Stop Date
June ▼ 06 ▼ 2023 ▼

SHOW LOGS

Figure 3.4.2

- d) By pressing a specific log, you can display more detailed information.
(See Figure 3.4.3)

LOG #	1	**VLD LOG**
START DATA		END DATA
Tank 02: Premium Gas		
Leak Test:	0.2 G/H	Test: FAIL
Leak Rate:	-0.1077	GPH
Time:	Jun 06, 2023 00:35:00	Jun 06, 2023 04:35:00
Product:	8.29 In	8.29 In
Water:	0.00 G	0.00 G
TC Volume:	821.28 G	821.65 G
Temperature:	72.78 F	72.15 F
121	Number of Logs	

Figure 3.4.3

3.5 SYSTEM TEST



This allows you to run a system test of each board in the controller, enabled tanks, and sensors.

(See Figure 3.5.1)

- a) Use the UP and DOWN arrows to scroll through the completed test results.

SYSTEM TEST		MENU
--SYSTEM STATUS--		
MCUD BOARD SERIAL:	1	
RELEASE ID:	OEL4KX-E001AJ	
RELEASE DATE:	23.06.01.18.00	
CHKSUM:	P	
--BOARD STATUS--		
MCU:	P	
XB-416 (SLOT 1):	P	
--TANK STATUS--		
01, Premium Gas	P	
02, Premium Gas	P	
03, Premium Gas	P	

Figure 3.5.1

3.6 CITLD (Continuous In-Tank Leak Detection) LOG



Brings you to the following page to select a specific tank in which to view CITLD results.

CITLD is a monthly test to check for leaks in underground storage tanks for sites that cannot shut down for a VLD test.

(See Figure 3.6.1)

- TANK/SENSOR NUMBER:** Drop down (▼) selection option used to select between enabled tanks to view CITLD results. Defaulted to ALL.
- USE DATE RANGE (check box):** When enabled, provides selectable START DATE and STOP DATE drop down (▼) selection options for selected tanks.
- SHOW LOGS (yellow button):** After pressing, the following screen will appear and show logs for the selected tank. (See Figure 3.6.2)
- Selecting a specific report will display more detailed information about each CITLD test. (See Figure 3.6.3)

Figure 3.6.1

Jun 06, 2023 11:15:20		Status: NORMAL
** CITLD LOG **		
LOG # 1	Tank 4: Premium Gas	Slope: -0.0006
	0.2 GPH Test: PASS	May 2023
LOG # 2	Tank 3: Premium Gas	Slope: -0.0005
	0.2 GPH Test: PASS	May 2023
LOG # 3	Tank 2: Premium Gas	Slope: 0.0023
	0.2 GPH Test: PASS	May 2023
LOG # 4	Tank 1: Premium Gas	Slope: 0.0015
	0.2 GPH Test: PASS	May 2023

8 Number of Logs

NOTE: PRESS ON A LOG TO SEE MORE DATA. (For SHIFT, DELIVERY, VLD and CITLD Logs)

Figure 3.6.2

Jun 06, 2023 11:15:20		Status: NORMAL
** CITLD LOG **		
LOG # 1	Tank 4: Premium Gas	Slope: -0.0006
	0.2 GPH Test: PASS	May 2023
LOG # 2	Tank 3: Premium Gas	Slope: -0.0005
	0.2 GPH Test: PASS	May 2023
LOG # 3	Tank 2: Premium Gas	Slope: 0.0023
	0.2 GPH Test: PASS	May 2023
LOG # 4	Tank 1: Premium Gas	Slope: 0.0015
	0.2 GPH Test: PASS	May 2023

8 Number of Logs

NOTE: PRESS ON A LOG TO SEE MORE DATA. (For SHIFT, DELIVERY, VLD and CITLD Logs)

Figure 3.6.3

4. ALARMS



When an alarm condition occurs, the alarm will display on the screen with a red flashing box and a description of the alarm within the box. (See Figure 4.1)

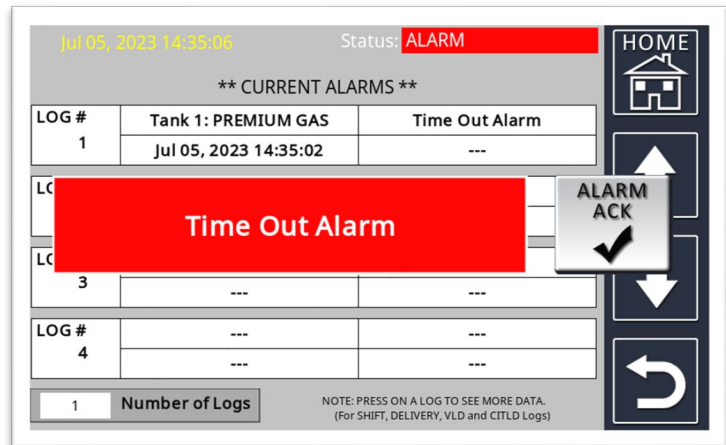


Figure 4.1

The display will alternate to a white flashing box showing the device location of the alarm. (See Figure 4.2)

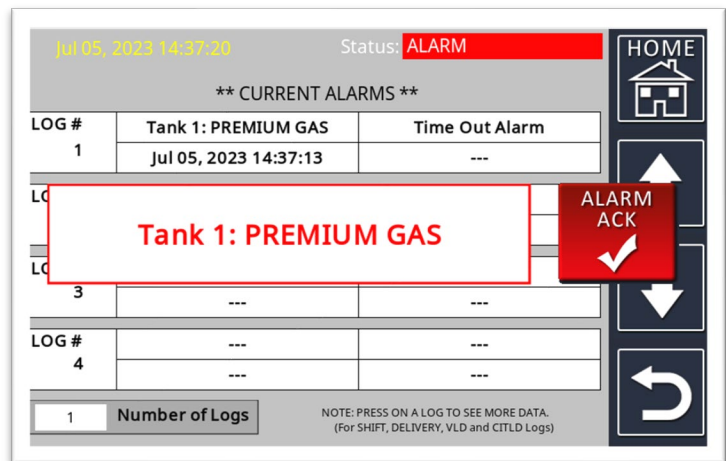


Figure 4.2

The controller will also sound an audible horn. The ALARM ACK button will acknowledge the alarm and display the current alarms log. (Figure 4.3)

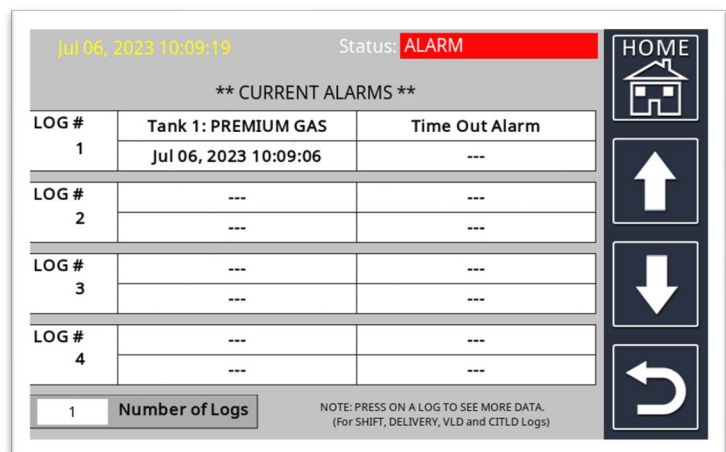


Figure 4.3

5. COMPLIANCE



Here, you can view COMPLIANCE REPORTS (VLD and CITLD results, perform a system test, and view leak sensor status). (See Figure 5.1)

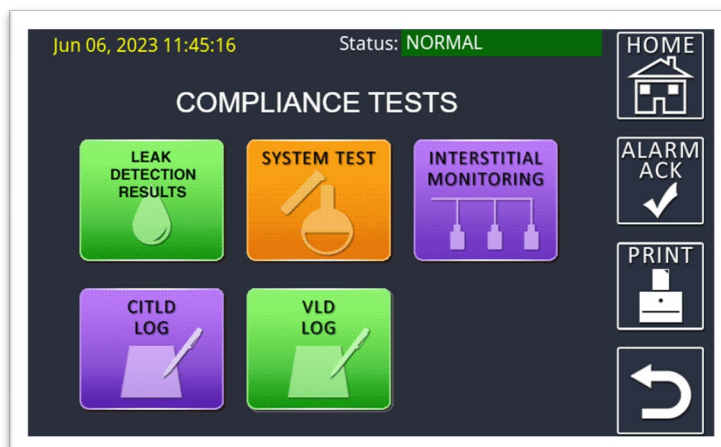


Figure 5.1

LEAK DETECTION RESULTS: Displays the monthly CITLD or VLD results for all enabled tanks.

(See Figure 5.2)

SYSTEM TEST: As described in Section 3.5, this will perform a SYSTEM TEST.

- Use the UP and DOWN arrows to scroll through the completed test results.

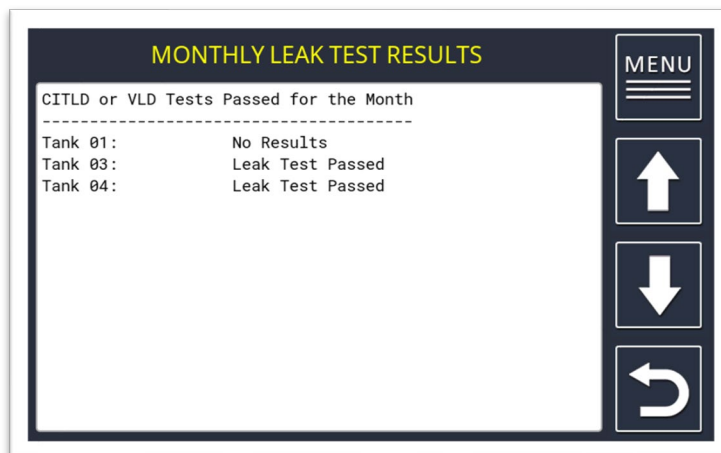


Figure 5.2

INTERSTITIAL MONITORING: Used to view the status of all interstitial sensors associated with the system.

(See Figure 5.3)

CITLD LOG: As described in Section 3.6, this will allow CITLD log selection.

VLD LOG: As described in Section 3.4, this will allow VLD log selection.

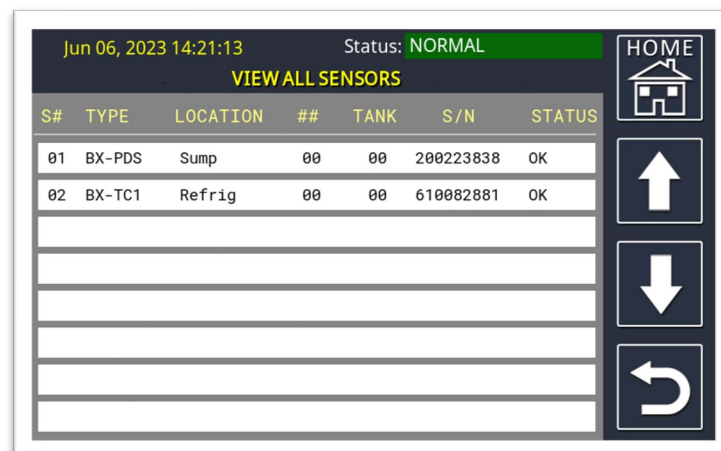
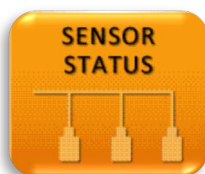


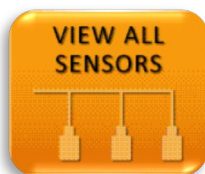
Figure 5.3

6. SENSOR STATUS



Here, view leak sensor status. Choose between viewing all sensors, just temperature sensors, or viewing FillCheck sensor diagnostics.

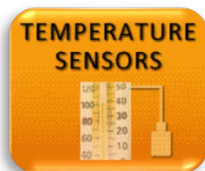
(See Figure 6.1)



VIEW ALL SENSORS:

Used to view all BX-Series (Bright Eyes) sensors and their status. This does not show the actual temperature for temperature sensors.

(See Figure 5.3; previous page)



TEMPERATURE

SENSORS: Used to view temperature sensors (BX-TC-1)

and their status. Also shows the actual temperature for each temperature sensor.

(See Figure 6.2)

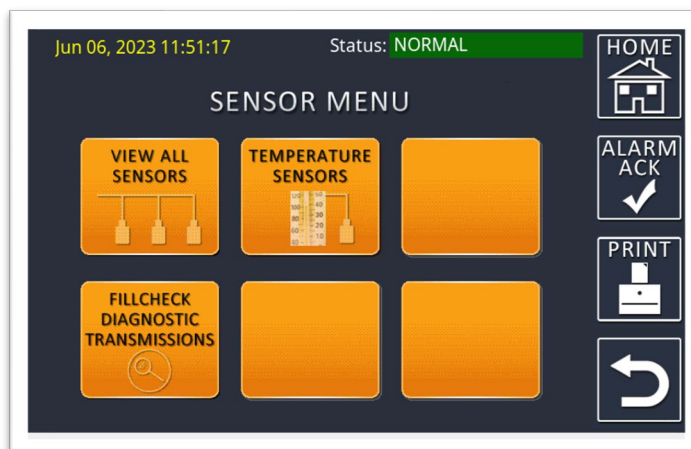


Figure 6.1

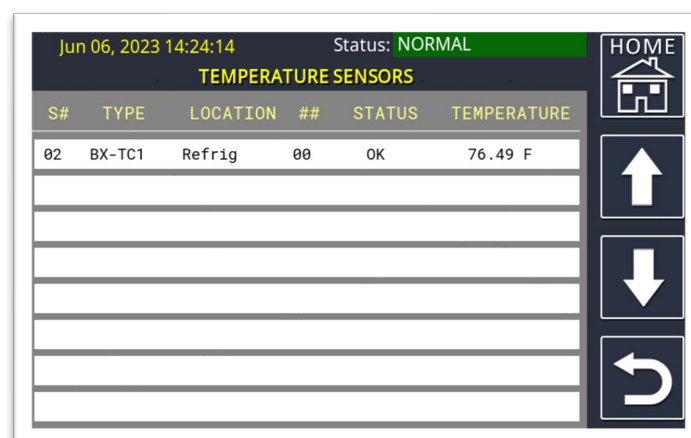


Figure 6.2



FILLCHECK DIAGNOSTIC TRANSMISSIONS:

Used to display wireless transmissions on FillCheck sensors associated with this system.
(See Figure 6.3)

S#	DATE	TIME	TFLT(sec)	COUNTS	D1	D2
01	23-07-06	12:10:40	00000008	00000012	00	00

Figure 6.3

7. UTILITIES



Used to access TIME & DATE, DIAGNOSTICS, HELP MENU, SYSTEM BOARDS, and SETUP.
(See Figure 7.1)

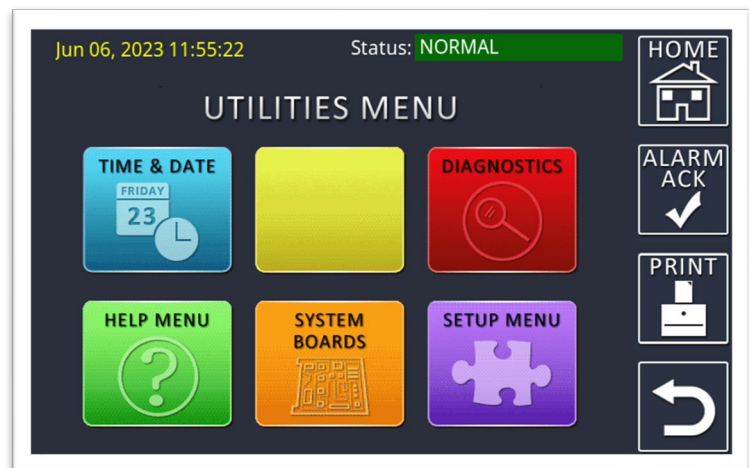


Figure 7.1

- TIME & DATE:** Used to set the current time and date.
- DIAGNOSTICS:** Opens a diagnostic input screen, helpful for troubleshooting with OMNTEC Technical Support.
- HELP MENU:** Offers wiring diagrams and helpful information about the controller.
- SYSTEM BOARDS:** Shows the system boards and their status.
- SETUP MENU:** A password is required to enter Setup by authorized personnel (see Programming Manual **DOC00008** at www.omntec.com/support/documents for more details on SETUP MENU features).

7.1 TIME & DATE



Used to set the current time and date.

(See Figure 7.1.1)

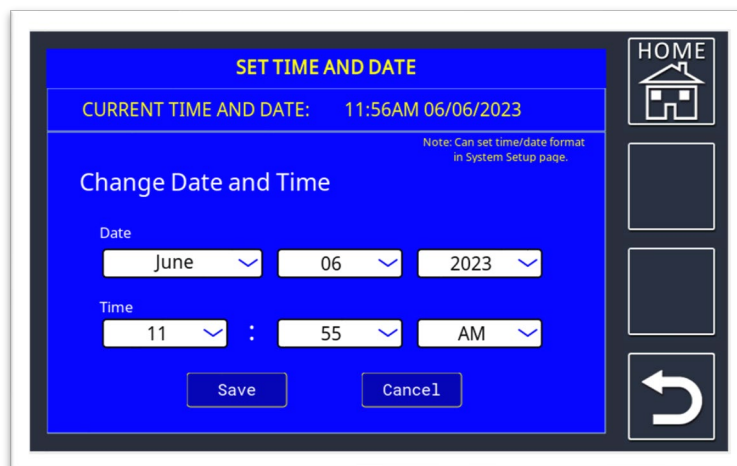


Figure 7.1.1

Each field provides drop down (▼) selection options. MONTH, DATE, YEAR as well as HOUR, MINUTE, AM/PM/24-hour.

(See Figure 7.1.2)

Note: The TIME/DATE FORMAT, displayed at the top of each screen, is set in the SETUP MENU (page 2).

Press the SAVE button to save any changes made to this screen.



Figure 7.1.2

7.2 HELP MENU



Used to view
REMOTE DISPLAY
info, PROBE and
SENSOR INFO,
PROBE/SENSOR

WIRING diagrams, ALARM INFO,
REMOTE SETTINGS, VERSION NUMBERS
(current firmware), SYSTEM 'STATUS',
FUNCTIONALITY MODE, SYSTEM BUS
ALARMS, REMOTE WIRING, and CITLD,
MODBUS, SD CARD status, as well as
the unit SERIAL (EL) NUMBER.

(See Figure 7.2.1)

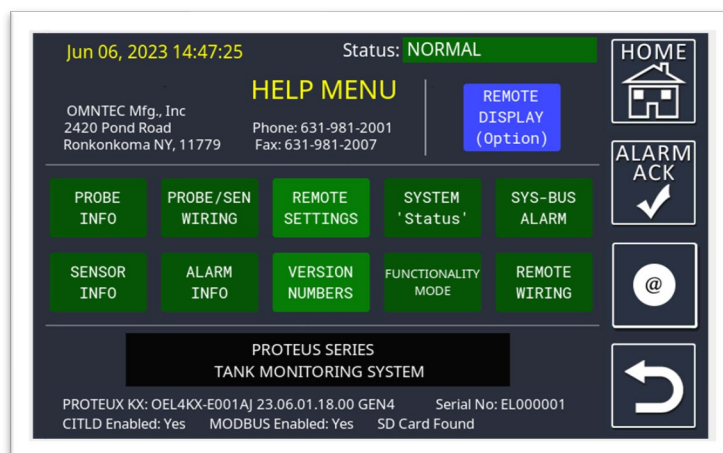


Figure 7.2.1

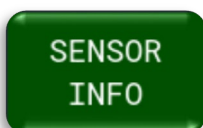


Shows the proper assembly order of
an MTG probe and gives the operating
specifications.

(See Figure 7.2.2)

Specifications	
Probe Length:	Up to 24 feet (7.3m) Consult factory for lengths over 24 feet.
Accuracy:	0.010 inches (0.2540mm) inventory mode 0.001 inches (0.0254mm) leak-detection mode
Temperature Measurement Resolution:	$\pm 0.01^{\circ}\text{F}$ (0.00556°C)
Operating Temperature Range:	-40 to 140°F (-40°C to 71°C)
Distance to Monitor:	Probe cable must be EC-2 (Belden #8761) up to 1,000 feet (305m). Consult factory for lengths over 1,000 feet.
MTG includes:	4-inch Buna N float kit Cap Splice kit Cable assembly
Accessories:	SL-34 Swage lock (probe-head isolation for chemical applications) SSF-4 3.85-inch (97.79mm) stainless-steel float kit SSF-2 1.83-inch (46.48mm) stainless-steel float kit BNF-4 3.85-inch (97.79mm) Buna N float kit UF-3 2.85-inch (72.39mm) urethane float kit

Figure 7.2.2



Displays how to add and delete BX
sensors from the system. It also gives a
list of compatible sensors and where
they would be placed in the tank field.
(See Figure 7.2.3)

To Add a New Sensor

1. Turn off the unit and connect the new sensor.
2. Turn on the unit, Go into 'SETUP' to Sensor Control. Select Find Sensors. See the sensor from 'SENSOR STATUS' off the Main Menu.
3. Go into 'SETUP' to set the sensor's labels.

To Delete a Sensor

1. Turn off the unit and disconnect the sensor.
2. Turn on the unit and go to 'SETUP'.
3. Select the Sensor Control button.
4. Select the sensor number and press 'Delete Sensor'.

BX-PDS - Product Distinguishing Leak Sensor - General Purpose.
BX-PDWS - For Double-wall Steel Tanks & 4' Dia Xerxes Dry Double-wall Fiberglass Tanks.
BX-PDWF - For Dry Double-wall Fiberglass Tanks.
BX-LS - Non-Distinguishing Leak Sensor - General Purpose.
BX-LWF - Sensor for Dry Double Wall Fiberglass Tanks.
BX-RES - Sensor for Brine-Filled Double-wall Tanks.
BX-L-Series - Product Level Sensor.

Figure 7.2.3

PROBE/SEN WIRING

Displays how to properly wire probes and sensors in the intrinsically-safe area of the PROTEUS® panel.
(See Figure 7.2.4)

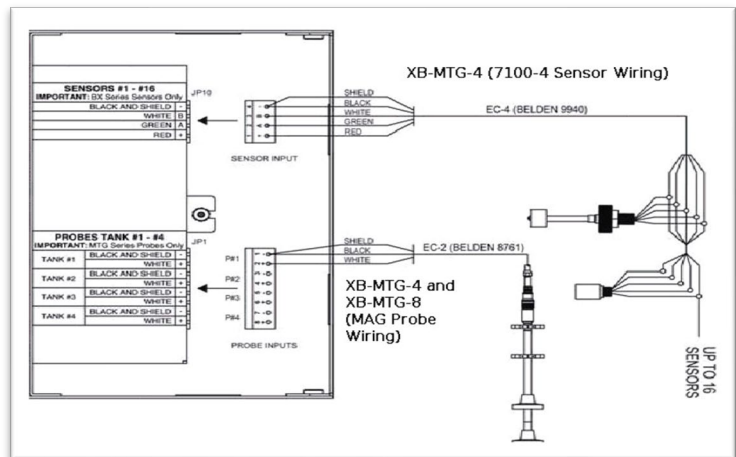


Figure 7.2.4

ALARM INFO

Illustrates and details where the alarm points are in the tank. Only the enabled alarm points will be used.
(See Figure 7.2.5)

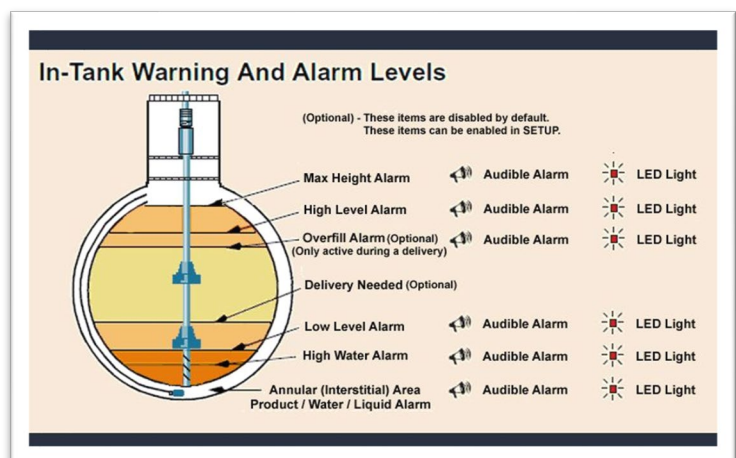


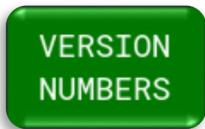
Figure 7.2.5

REMOTE SETTINGS

Displays the current settings for the COM1, OPTION BUS 1 and OPTION BUS 2, IP ADDRESS, TELNET PORT AND PROTOCOL and MODBUS ADDRESS.

(See Figure 7.2.6)

Figure 7.2.6



Lists the system boards and the current firmware version installed on each board.
(See Figure 7.2.7)

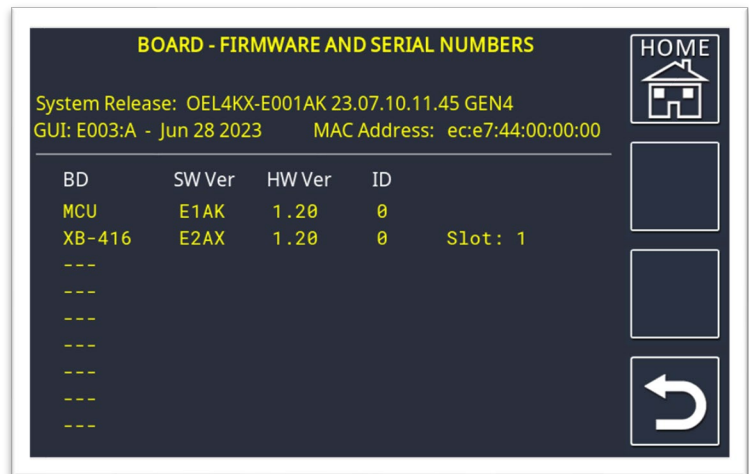
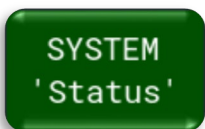


Figure 7.2.7



Scrollable description detailing what each of the status icons mean that appear at the top of the screen.
(See Figure 7.2.8)

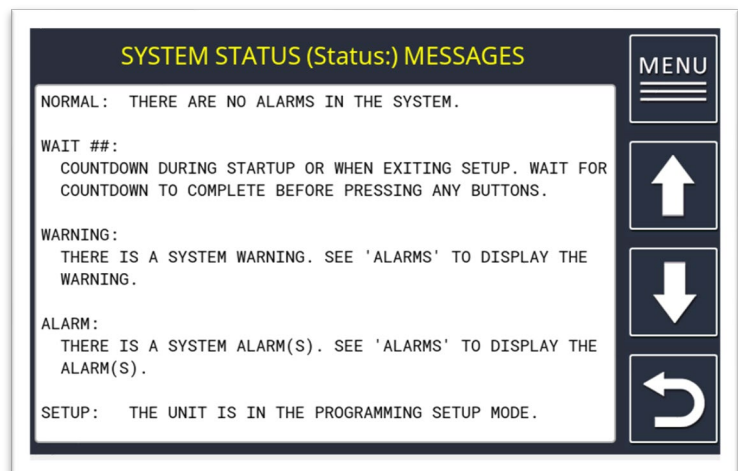
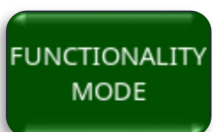


Figure 7.2.8



Scrollable description detailing the probe and sensor functional tests that can be performed from the DIAGNOSTICS menu.
(See Figure 7.2.9)

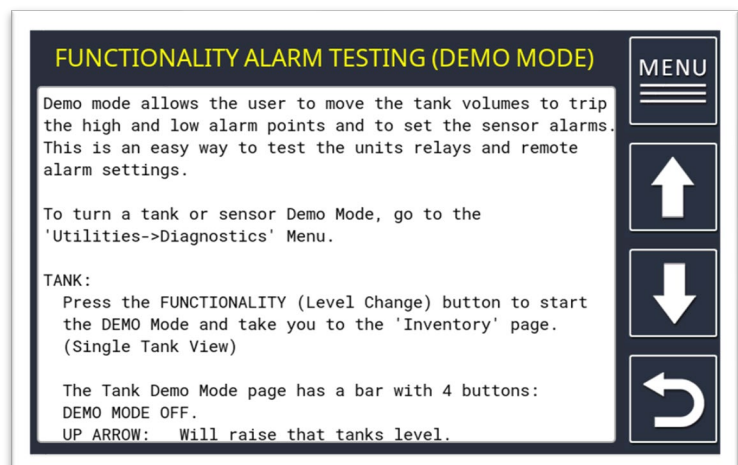


Figure 7.2.9

SYS-BUS ALARM

Scrollable description detailing corrective actions to perform in the case of a system bus alarm.
(See Figure 7.2.10)

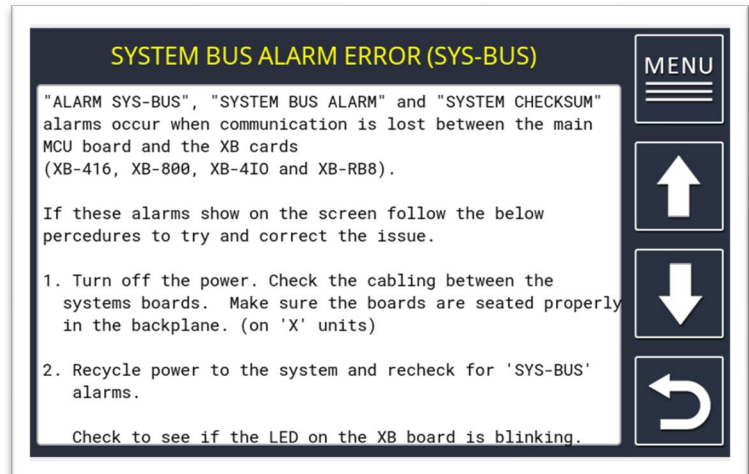


Figure 7.2.10

REMOTE WIRING

Illustrates a typical connection diagram of a Mini-Me (RD7CTS) to a PROTEUS® controller.
(See Figure 7.2.11)

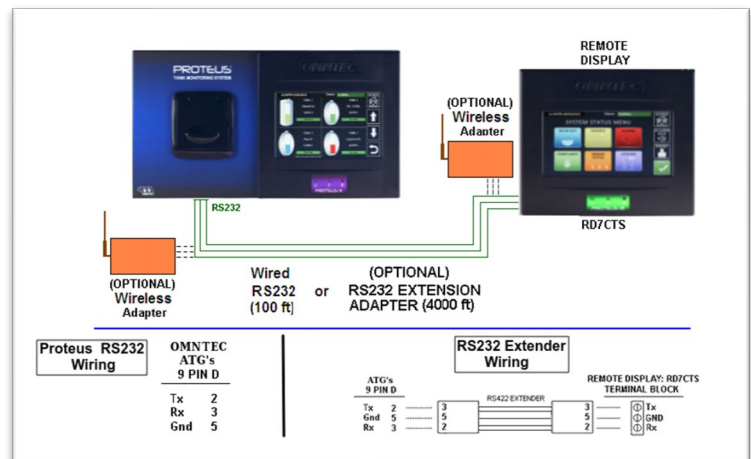


Figure 7.2.11

REMOTE DISPLAY (Option)

Shows information about the Mini-Me (RD7CTS) remote display for PROTEUS® series controllers. The Mini-Me can also connect to any industry-standard ATG. This is an optional remote and may be added after the initial installation.
(See Figure 7.2.12)

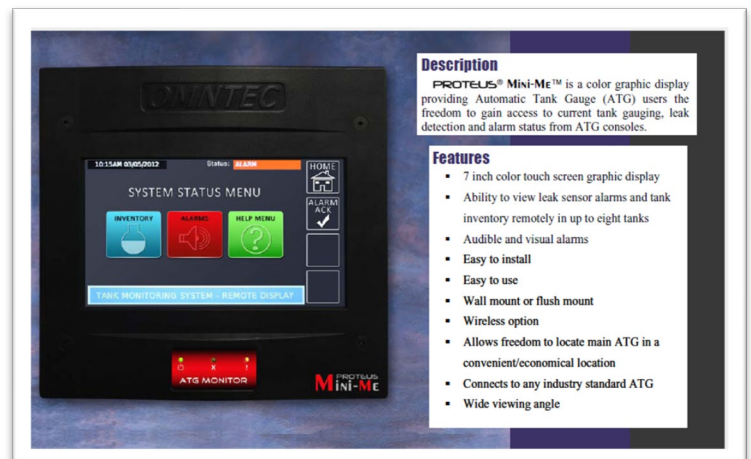


Figure 7.2.12



The ABOUT icon, found on the right-side margin of the HELP MENU.

Describes the basic features of the PROTEUS® K and PROTEUS® X controllers.

(See Figure 7.2.13)

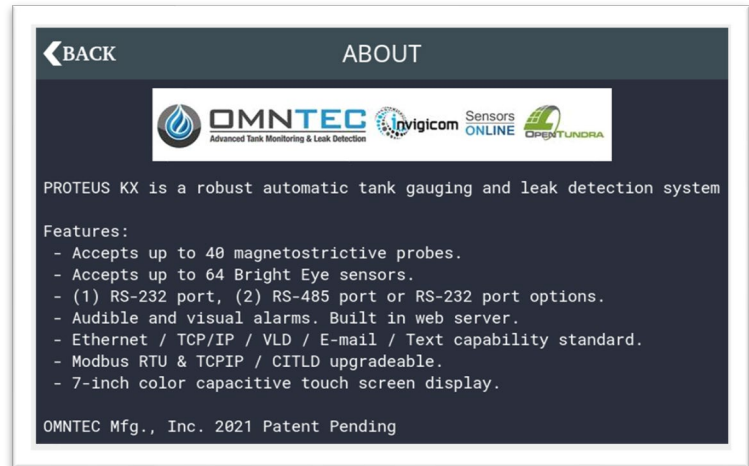


Figure 7.2.13

7.3 SYSTEM BOARDS



Shows the system boards and lists their serial numbers, status, and current slot number, based on

the model number and number of boards installed.

(See Figure 7.3.1)

Boards you may find installed are:

- MCU
- XB-416
- XB-800
- XB-RB8 (PROTEUS® X; also listed for XC-R8 with a PROTEUS® K)
- XB-4IO
- XB-416DC
- XB-800DC

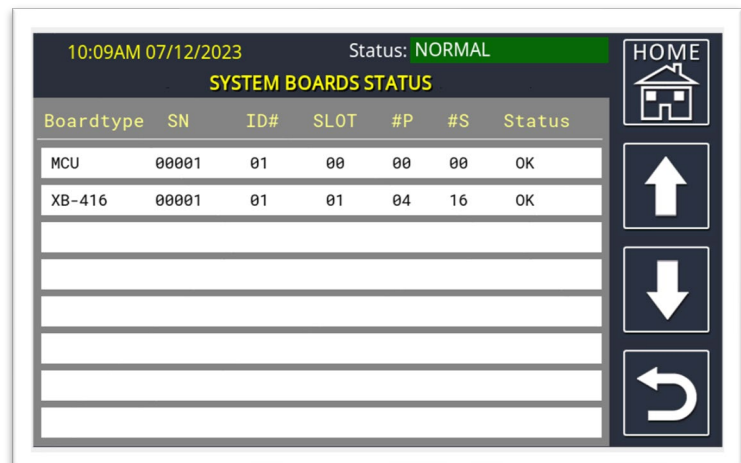


Figure 7.3.1

7.4 SETUP



Used to enter the
SETUP MENU.
Accessed by OMNTEC
Authorized Service
Contractors (ASC), or if

instructed by OMNTEC Technical
Support.

(See Figure 7.4.1)



Figure 7.4.1

8. PRINT



Brings up a submenu
with different items to
print. From here you
can print the status of
INVENTORY, SYSTEM

TEST, CURRENT ALARMS, INTERSTITIAL
REPORT, COMPLIANCE REPORT, and the
history of ALARM LOG, DELIVERY LOG,
SHIFT LOG, VLD LOG, and CITLD LOG.

(See Figure 8.1)

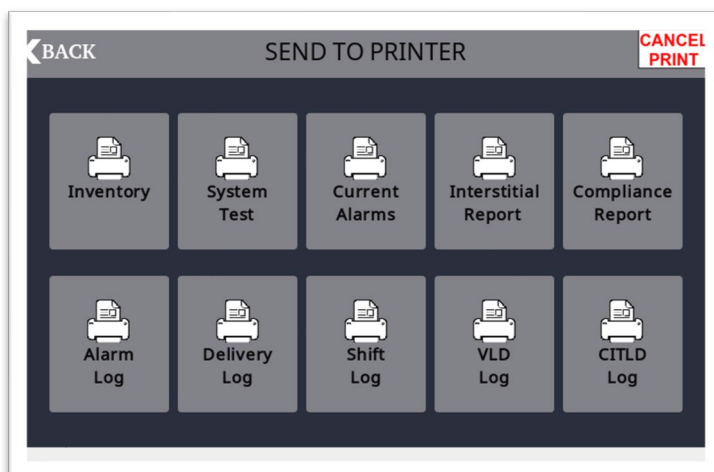


Figure 8.1

Selecting INVENTORY, SYSTEM TEST, CURRENT ALARMS, INTERSTITIAL REPORT, or COMPLIANCE SETUP will prepare the data before it prints, which may require 6 minutes or more to complete.
(See Figure 8.2)

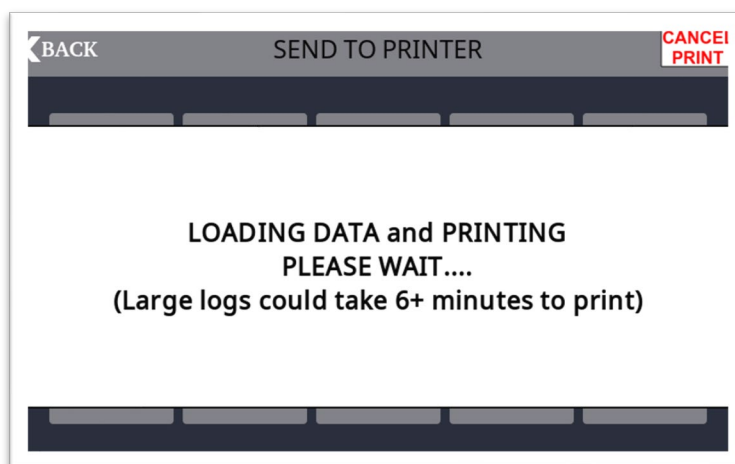


Figure 8.2

Selecting ALARM LOG, DELIVERY LOG, SHIFT LOG, VLD LOG, or CITLD LOG will provide Tank/Sensor/Date Range selections (like Report options) before preparing the data for printout, which may require up to 6 minutes or more to complete.
(See Figure 8.3)

A screenshot of a software interface titled 'T#S#DATE RANGE OPTIONS'. At the top, there is a dark grey header bar with a left arrow and the word 'BACK' on the left, and the title 'T#S#DATE RANGE OPTIONS' in the center. Below the header, the screen is dark blue. It contains two rows of dropdown menus: 'Quantity of Logs' with '01' selected, and 'Tank/Sensor Number' with 'ALL' selected. Below these is a checkbox labeled 'USE DATE RANGE' which is currently unchecked. Underneath the checkbox are two rows of date selection fields: 'Start Date' and 'Stop Date'. Each row has three dropdown menus for month, day, and year. For 'Start Date', the values are 'July', '12', and '2023'. For 'Stop Date', the values are 'July', '12', and '2023'. At the bottom center, there is a yellow button labeled 'PRINT LOGS'.

Figure 8.3

9. TEST



Pressing the green TEST button, in the lower right corner of the SYSTEM STATUS MENU, performs a system test on all internal boards, MTG probes, and sensors. The TEST toggles the MCU relays to verify the operation of the controller's LEDs and horns, and any connected remote annunciator. The results will be displayed on the monthly leak tests for VLD and/or CITLD in a scrollable window along with the Site Information, System ID, and date of the test. The user may keep these for their records. (See Figures 9.1, 9.2, and 9.3)

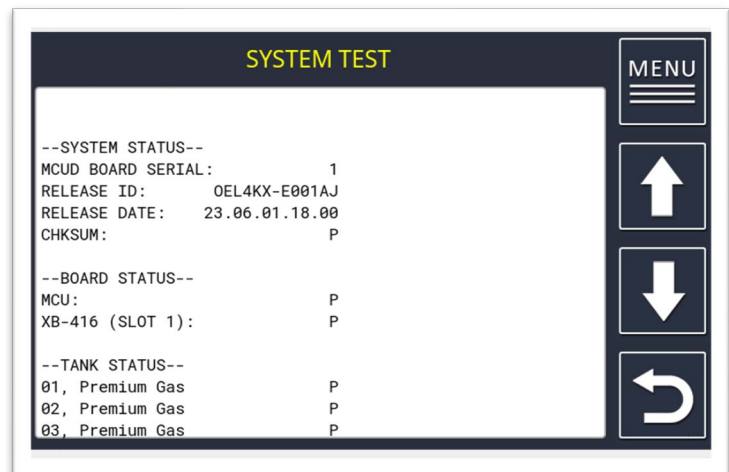


Figure 9.1

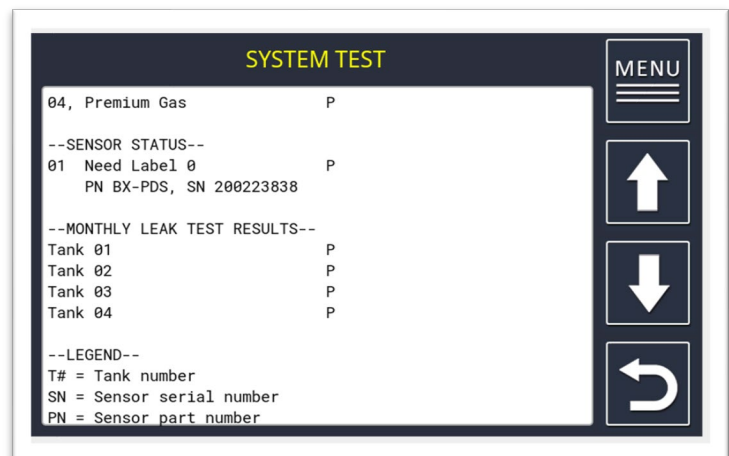


Figure 9.2

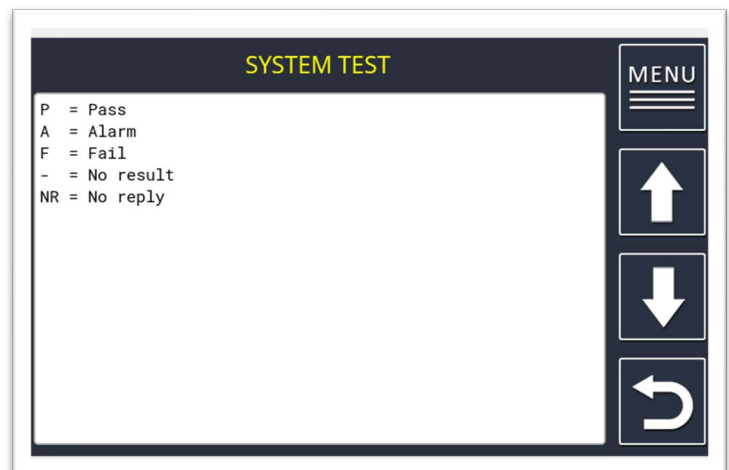


Figure 9.3