PALMDALE WATER DISTRICT
2029 East Avenue Q • Palmdale, California 93550 • Telephone (661) 947-4111

Since 1918

Board of Directors
ROBERT E. ALVARADO
Division 1
JOE ESTES
Division 2
MARCO HENRIQUEZ
Division 3
KATHY MAC LAREN
Division 4
VINCENT DINO
Division 5
ALESHIRE & WYNDER LLP
Attorneys

September 7, 2017

Agenda for a Meeting
of the Facilities Committee of the Palmdale Water District
Committee Members: Vincent Dino-Chair, Joe Estes
to be held at the District's office at 2029 East Avenue Q, Palmdale

Monday, September 11, 2017

11:00 a.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale (Government Code Section 54957.5). Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: **The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)**

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Roll call.
2) Adoption of agenda.
3) Public comments for non-agenda items.
4) Action Items: (The public shall have an opportunity to comment on any action item as each item is considered by the Committee prior to action being taken.)

4.1) Consideration and possible action on approval of minutes of regular meeting held March 27, 2017.

4.2) Consideration and possible action on purchase of fuel management and tank level reader. ($21,884.50 – Budgeted – Facilities Manager Moore)

4.3) Consideration and possible action on elevator repairs. (cost to be determined – Budgeted – Facilities Manager Moore)

5) Information Items.

5.1) Upcoming priorities and Strategic Plan update. (Facilities Manager Moore)

5.2) Other.

6) Board members' requests for future agenda items.

7) Adjournment.



DENNIS D. LaMOREAUX,
General Manager

DDL/dd

P A L M D A L E W A T E R D I S T R I C T

B O A R D M E M O R A N D U M

DATE:	September 6, 2017	**September 11, 2017**
TO:	FACILITIES COMMITTEE	**Committee Meeting**
FROM:	Mr. Timothy M. Moore, Facilities Manager	
VIA:	Mr. Dennis D. LaMoreaux, General Manager	
RE:	***AGENDA ITEM NO. 4.2 – CONSIDERATION AND POSSIBLE ACTION ON PURCHASE OF FUEL MANAGEMENT AND TANK LEVEL READER. ($21,884.50 – BUDGETED – FACILITIES MANAGER MOORE)***	

Recommendation:

Staff recommends that the Facilities Committee approve the purchase of a fuel management and tank level reader in the amount of $21,884.50.

Background:

The current (Phoenix) fuel system:

- Phoenix has become outdated and problematic; the system does not provide any real usable reports. The information it does provide is manually keypunched into an Excel spreadsheet.
- The keypad is starting to fail, the buttons are worn out and hard to push, making it inconvenient for employees trying to fuel their vehicles.
- There are no programming capabilities on the Phoenix system, therefore, even keying in the wrong mileage could lock the driver out causing them to be unable to fuel their vehicle.

The FuelForce (814-K Controller) Fuel Management System:

- The ease of access using this system will enable the employees to swipe their employee badges to access fuel for their vehicles. This also helps with security because they will not have to have a pin number; their employee badges would be used for both along with compatibility for leased vehicles to use Enterprise card for data input for all service needs for lease agreement.
- Better recording accuracy along with 25 standard reports, which may be downloaded to Excel, allow for better record keeping and time management. This also helps with fuel auditing and budgeting for the year.
- Fully programmable authorization criteria that fits District needs (based on vehicle, driver, fuel type and odometer checking).
- Will integrate with fleet management and fuel tank level programs.

PME Tank Monitoring System:

- Monitors tank levels automatically, staff (unlimited) can read levels from any computer.
- Monitoring and compliance issues are attained through fuel and water levels tank monitoring, also includes leak sensor monitoring. Compliant with our Los Angeles County Fire Department Business Plan for spill prevention.
- Emergency alerts (low levels, leaks, etc.) to emails may be set up for up to 5 people.
- Included in Fuel Serv quote.

Fuel Serv:

- Installation of all equipment and fire-up of system.
- Quote includes PME Tank Monitoring System Equipment.

Budget:

This project is under Budget Item No. 1-00-5021-000 – Plant Expenditures (depreciation).

Strategic Plan Initiative:

Strategic Initiative No. 3 – Systems Efficiency

Supporting Documents

- Proposal from Fuel Force for Fuel Management System
- Proposal from Fuel Serv for Tank Level Reader Equipment & Installation

FUELFORCE®
Fuel Management Systems

Ship To Address: Same As Customer

FuelForce 814-KC Alphanumeric Keypad
Magnetic Stripe Card and Proximity Card Fuel Controller & FuelServe

Quote #: 16120110KG-2B
Updated: June 28, 2017

Customer Name: Palmdale Water District
Address: 2029 E Avenue Q
Palmdale, CA 93550
Customer Contact: Tammy Lucas
Phone: 661-4561009
Email: tlucas@palmdalewater.org

Sales Representative: Keith Griesinger (609) 955-5005
Sales Email: keithg@fuelforce.com

Customer Profile	
Communication	Hardwire Ethernet Connection or Wireless (Customer Choice)
Sites	1
FuelForce Software	FuelServe
Assumption that RFID Proximity Badges are HID 125 kHz	
Tanks	2
Hoses	2
Omntec Proteus B4 Tank Guage with 3 Probes	

ITEM	PRODUCT #	DESCRIPTION	QTY	UNIT PRICE	TOTAL
FuelForce Hardware	FF814-KC	FuelForce 814-KC Alphanumeric Keypad Magnetic Stripe Card Reader and HID Prox ID Badge Reader Fuel Management System Controller	1	$ 8,300.00	$ 8,300.00
FuelServe.Net Software	FSN-001	FuelServe.net Web Based Fuel Management Application with Annual Telephone Help Desk Support.	1	$ 1,200.00	$ 1,200.00
Professional Services	PJ-INS-SI	Professional Services Account Support, Account Set up; Project Management, Cell Modem (or support of customer provided hardwired Ethernet connection), Support Hook-up & Check Out, Webinar Training, UPS Ground Shipping and Handling	1	$ 1,500.00	$ 1,500.00
	EXP-LABOR	Fuel Management System Labor (travel time and on-site time), travel to/from, truck charge, food, parking, gas, etc. and required incidentals.	1	$ 2,200.00	$ 2,200.00
Tank Inventory Equipme	TANK-EQUIP	Omntec Proteus B4 Tank Gauging Controller; 3 tank probes, NEMA Enclosure, and Cable	1	$ 5,584.50	$ 5,584.50
	TE-FREIGHT	Freight	1	$ 400.00	$ 400.00
	TE-LABOR	Tank Inventory Labor (travel time and on-site time), travel to/from, truck charge, food, parking, gas, etc. and required incidentals.	1	$ 2,700.00	$ 2,700.00
		TOTAL			**$ 21,884.50**

Customer Site Preparation Responsibilities: None

OMNTEC
PROTEUS®
Automatic Tank Gauging and Leak Detection System
Part Number:





NOTE:
1. Assumes use of one Verizon or AT&T cellular data modem (as provided by Multiforce).
2. ~~If client's site preparation responsibilities are incomplete upon arrival, any materials required for site preparation purchased by Multiforce will be billed a~~
3. ~~If client's site preparation responsibilities are incomplete upon arrival, any outside contractor labor required will be bill at cost plus 15%.~~
4. All taxes and permits required are the responsibility of the customer.
5. All travel expenses for installation are included above.
6. Expenses may include but are not limited to: airfare, hotel, car rental, meals, and mileage.
7. All applicable Local, State, Federal and Regulatory taxes due are the responsibility of the customer.
8. The total cost does not include fuel dispenser upgrades, nor any Multiforce personnel on-site.
9. Terms: Payment due 30 days from date of hardware shipment. FOB Point of Origin, Freight Prepaid and Added.
10. Assumption that the customer can utilize a magnetic stripe fleet card (Enterprise) and Prox ID Badge for internal authorization.
11. If external authorization through EFS Buypass is needed, this account plus an Abierto Box and Abierto Agreement will be needed and they are not priced here.
12. This FuelForce system software has no required reoccuring costs or required FuelForce annual renewal costs.

Acceptance By Customer -

Date _____ Name _____

Please email (keithg@fuelforce.com) or fax (609-683-4835) signed acceptance back to Multiforce Systems.

OMNTEC®

PROTEUS®
Automatic Tank Gauging and Leak Detection System

Part Number: OEL8000III-K4
OEL8000III-K8



Description

A brighter future in tank gauging and leak detection has arrived with the PROTEUS Series. Featuring advanced technology, versatility, scalability, and enhanced features like our 7 inch color touch screen. The PROTEUS Series can simultaneously monitor product levels, water levels, temperature, leaks, and much more. The flexibility of PROTEUS makes it ideal for a variety of gauging and leak detection applications.

The OEL8000III-K accepts up to 16 of OMNTEC's Bright Eye (BX Series) sensors for distinguishing product from water or for simply detecting the presence of liquid. A distinct advantage of Bright Eye sensors is they are networked and utilize 4 wire bus technology.

PROTEUS does not require sensor or probe input modules, bringing ease to ordering and installation. A built in microprocessor gives each sensor the ability to identify itself and its location, which is displayed along with alarm conditions on the PROTEUS's 7 inch color touch screen graphic display.

With OMNTEC's proven reliability, the PROTEUS offers an attractive, comprehensive, and user-friendly system that can open doors to endless possibilities.

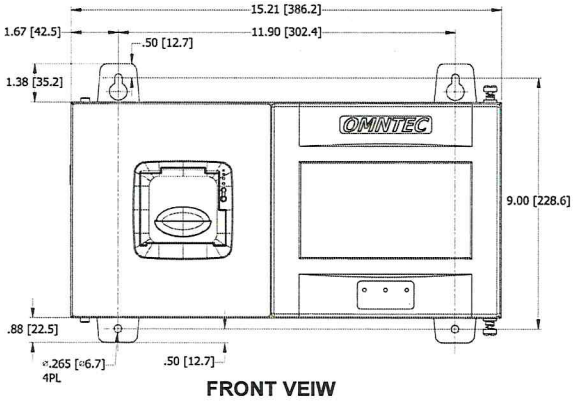
Features

- Accepts up to 8 magnetostrictive probes
- Accepts up to 16 Bright Eye sensors
- Sensors networked using state of the art 4 wire bus technology
- 2 RS-232 ports
- 1 Micro USB port
- SD memory card slot
- 7 inch color touch screen graphic display
- CITLD upgradeable
- Modbus upgradeable
- E-mail capability standard
- Built in web server
- SIL rated operating system
- Compact size
- Remote display option
- Thermal printer option
- VLD standard
- 3 programmable relays
- Ethernet / TCP/IP standard

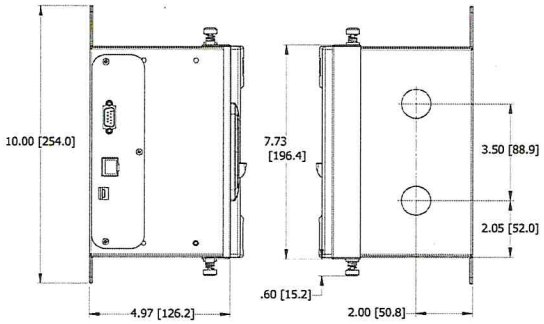
PROTEUS®

Automatic Tank Gauging and Leak Detection System

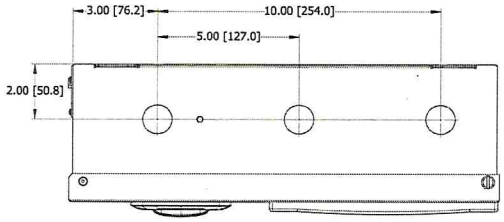
Part No. OEL8000III-K4 & OEL8000III-K8



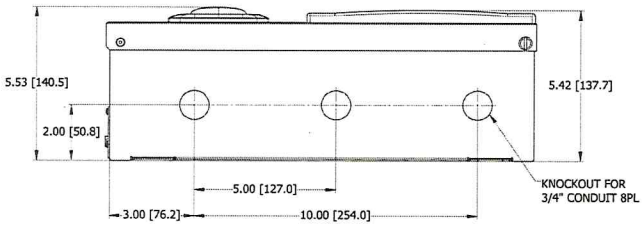
FRONT VEIW



LEFT VEIW RIGHT VEIW



TOP VEIW



BOTTOM VEIW

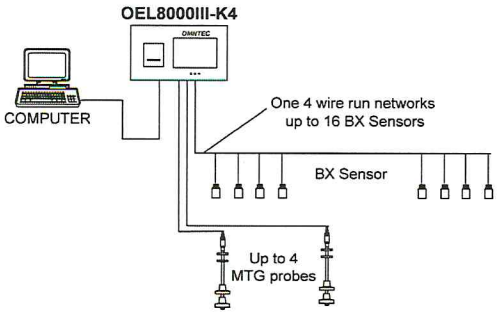
Specifications	
Optional Features:	36-character thermal printer Modbus CITLD upgradeable OMNTEC PC software
Input Power:	100-240 VAC +/- 10% 50/60 Hz 60 watts
Voltage to Sensors:	12 VDC
Voltage to Probes:	28 VDC
Audio Visual Controls: **Display:** **Audible alarm:** **Printer:** **System status:**	 Color 7 inch graphic display with touch screen 85 dB piezoelectric horn 36-character thermal 3 LED's (OK, Warning, Alarm)
Relay Outputs:	120 VAC @ .6 amp resistive 3 SPST Failsafe
Low-voltage Outputs:	12 VDC @ 150 mA
Operating Temperature:	20 to 140° F (-7° to 60° C)
Compatible Sensors:	BX-Series sensors *(refer to document no. 900106)*
BX-Series Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4), Maximum length 2,000 feet (610m)
Compatible Probes:	**Rigid Gauging Probe** *(refer to document no. 900194)* MTG-4* (1219mm) MTG-6* (1829mm) MTG-8* (2438mm) MTG-10* (3048mm) **Flexible Fixed Top Probe** *(refer to document no. 900166)* MTG-F-* Series **Flexible Fixed Bottom Probe** *(refer to document no. 900162)* MTG-FB-* Series **Number signifies shaft length and corresponds to tank diameter. Contact representative for additional lengths.*
MTG Probe Cable:	OMNTEC EC-2 (Shielded Belden #8761) Low Inductance: equal or less than .2 microhenries per foot. Maximum length 1,000 feet (305m) Consult representative for longer wire runs.
Accessories:	PROTEUS-R Remote display RAS Series Remote annunciators PS-103 Thermal printer DPU-C Thermal paper
Weight:	20 lb. (9kg)
Dimensions:	(h) 7.73" (w) 15.21" (d) 5.53"
Approvals:	UL-listed & CUL-listed

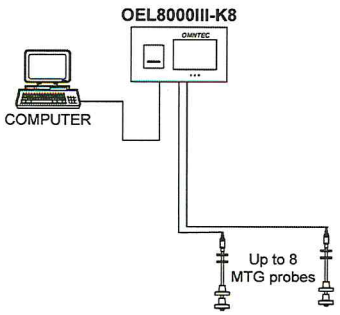
Version Summary:

Version	Probes	Sensors	Audio/ Visual	Relays	Communication
K4	4	16	yes	3	(2) RS-232 (1) TCP/IP (1) Micro USB (1) Expansion Port (1) SD Card slot
K8	8	0	yes	3	
K4B	4	16	no	3	
K8B	8	0	no	3	

Specifications subject to change without notice, verify with manufacturer.

OEL8000III-K Application





OMNTEC®
1993 Pond Road
Ronkonkoma, NY 11779
Phone: (631) 981-2001
Fax: (631) 981-2007
E-mail: omntec@omntec.com
Website: www.omntec.com

Document No. DS00014 DS00015 rev1-1.doc
Rev Date: 11-7-2012

OMNTEC Mfg.,

Quotation

1993 Pond Road
Ronkonkoma, NY 11779
Phone: 631-981-2001 Fax: 631-981-2007

Quoted to:
OMNTEC DISTRIBUTOR

USA

Quote Number: EL172369
Quote Date: Jun 8, 2017
Valid Thru: 7/8/17
Page: 1
Prepared By: Kurt Gibson
FOB: Ronkonkoma, NY
Delivery: Net 30 Days

Attn: OMNTEC DISTRIBUTOR

Project Name: PROTEUS K OPTION

Sales Rep

QTY	Item	Note	Description	Net Price	Extension
1.00	OEL8000IIIK4		PROTEUS K4 TANK GAUGING CONTROLLER W/ 7" COLOR TOUCH SCREEN (2) RS-232 PORTS & ETHERNET. ACCEPTS UP TO 4 MTG SERIES INVENTORY PROBES & 16 BX SERIES LEAK SENSORS	2,020.50	2,020.50
1.00	PS-103		THERMAL PRINTER FOR PROTEUS K/X (WHEN ORDERED WITH A FULL SYSTEM)	496.50	496.50
3.00	MTG-		MAGNETOSTRICTIVE GAUGING PROBE UP TO 132" OVERALL LENGTH. TANK DIAMETER MUST BE SPECIFIED. INCLUDES BUNA FLOAT SET FOR PRODUCT AND WATER, CAP AND INSTALL KIT	1,164.75	3,494.25
1.00	ENC-4X		NEMA 4X FIBERGLASS ENCLOSURE FOR THE OEL8000, OEL8000II, AND OEL8000III	465.75	465.75
1.00	EC-2		TWO CONDUCTOR 22 AWG SHIELDED CABLE WITH A DRAIN. SPOOL COMES IN 500' RUNS. (MULTIPLY QUANTITY PER SITE REQUIREMENTS)	156.75	156.75

Please reference quote number when ordering.

Custom parts are non cancellable and non returnable.

Subtotal 6,633.75
Sales Tax
Freight
Total 6,633.75

OMNTEC®

PROTEUS®

Automatic Tank Gauging and Leak Detection System

Part Number: OEL8000III-B4
OEL8000III-B8



Description

A brighter future in tank gauging and leak detection has arrived with the PROTEUS Series. Featuring advanced technology, versatility, scalability, and enhanced features like our 7 inch color touch screen. The PROTEUS Series can simultaneously monitor product levels, water levels, temperature, leaks, and much more. The flexibility of PROTEUS makes it ideal for a variety of gauging and leak detection applications.

The OEL8000III-B is our economical version of the PROTEUS Series. It offers limited features for a low cost solution to gauging, leak detection, and meeting compliance requirements.

The OEL8000III-B accepts up to 16 of OMNTEC's Bright Eye (BX Series) sensors for distinguishing product from water or for simply detecting the presence of liquid. A distinct advantage of Bright Eye sensors is they are networked and utilize 4 wire bus technology.

PROTEUS does not require sensor or probe input modules, bringing ease to ordering and installation. A built in microprocessor gives each sensor the ability to identify itself and its location, which is displayed along with alarm conditions on the PROTEUS's 7 inch color touch screen graphic display.

With OMNTEC's proven reliability, the PROTEUS offers an attractive, comprehensive, and user-friendly system that can open doors to endless possibilities.

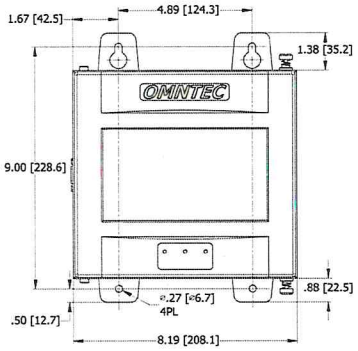
Features

- Accepts up to 4 or 8 magnetostrictive probes
- Accepts up to 16 Bright Eye sensors
- Sensors networked using state of the art 4 wire bus technology
- 1 RS-232 port
- 7 inch color graphic display with touch screen
- CITLD upgradeable
- Modbus upgradeable
- External expansion port
- Compact size
- Remote display option
- VLD standard
- Lower cost

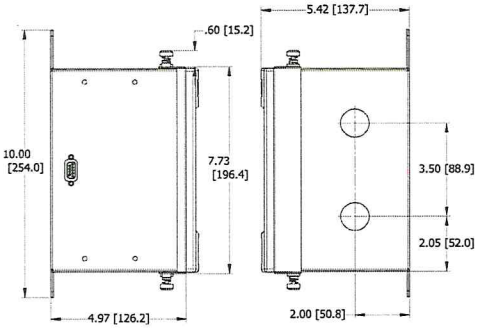
PROTEUS®

Automatic Tank Gauging and Leak Detection System

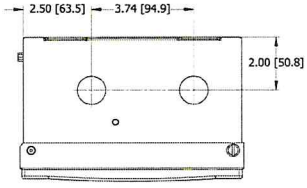
Part No. OEL8000III-B4 & OEL8000III-B8



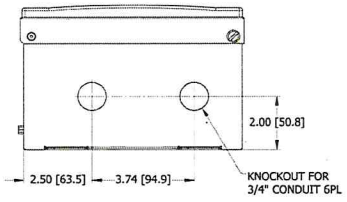
FRONT VEIW



LEFT VEIW RIGHT VEIW



TOP VEIW

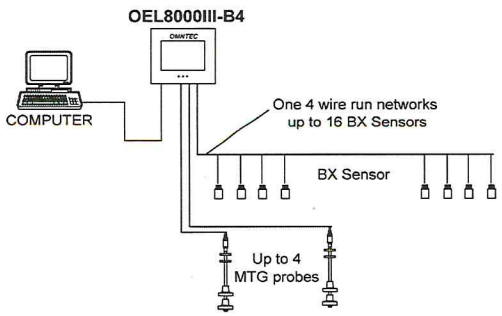


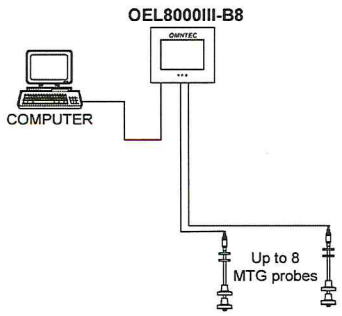
BOTTOM VEIW

Specifications						
Optional Features:	Modbus CITLD upgradeable OMNTEC PC software					
Input Power:	100-240 VAC +/- 10% 50/60 Hz 60 watts					
Voltage to Sensors:	12 VDC					
Voltage to Probes:	28 VDC					
Audio Visual Controls: **Display:** **Audible alarm:** **System status:**	 Color 7 inch graphic display with touch screen 85 dB piezoelectric horn 3 LED's (OK, fault, alarm)					
Operating Temperature:	20 to 140° F (-7° to 60° C)					
Compatible Sensors:	BX-Series sensors *(refer to document no. 900106)*					
BX-Series Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4), Maximum length 2,000 feet (610m)					
Compatible Probes:	**Rigid Gauging Probe** *(refer to document no. 900194)* MTG-4* (1219mm) MTG-6* (1829mm) MTG-8* (2438mm) MTG-10* (3048mm) **Flexible Fixed Top Probe** *(refer to document no. 900166)* MTG-F-* Series **Flexible Fixed Bottom Probe** *(refer to document no. 900162)* MTG-FB-* Series **Number signifies shaft length and corresponds to tank diameter.* *Contact representative for additional lengths.*					
MTG Probe Cable:	OMNTEC EC-2 (Shielded Belden #8761) Low Inductance: equal or less than .2 microhenries per foot Maximum length 1,000 feet (305m) Consult representative for longer wire runs.					
Accessories:	PROTEUS-R Remote display					
Weight:	20 lb. (9kg)					
Dimensions:	(h) 7.73" (w) 8.19" (d) 5.42"					
Approvals:	UL-listed & CUL-listed					
Version Summary:	Version	Probes	Sensors	Audio/ Visual	Relays	Comm
	B4	4	16	yes	0	(1) RS-232 (1) Expansion Port
	B8	8	0	yes	0	
	B4B	4	16	no	0	
	B8B	8	0	no	0	

Specifications subject to change without notice, verify with manufacturer.

OEL8000III-B Application





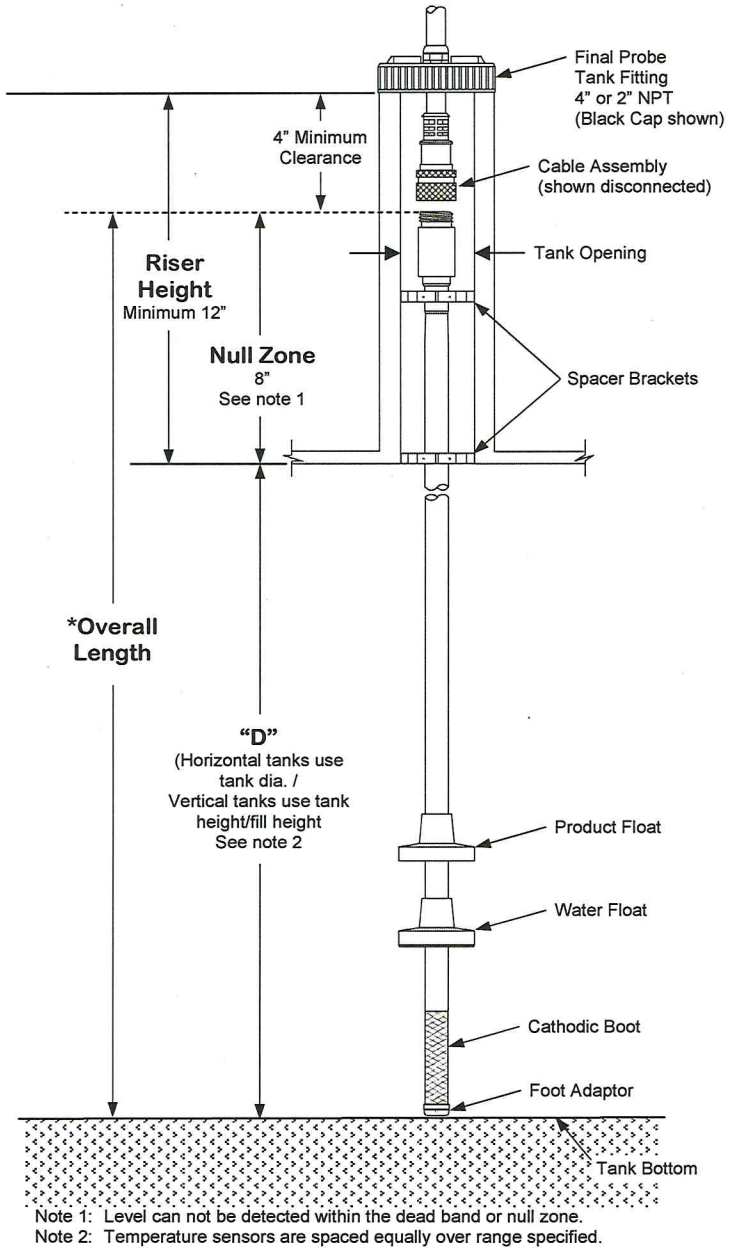
OMNTEC®
1993 Pond Road
Ronkonkoma, NY 11779
Phone: (631) 981-2001
Fax: (631) 981-2007
E-mail: omntec@omntec.com
Website: www.omntec.com

Document No. DS00018 DS00026 rev1-1.doc
Rev Date: 9-25-2012

MTG SERIES PROBE DIMENSION

APPROVAL SHEET
5 TEMPERATURE LEVEL PROBE

CUSTOMER
PO#
EL#
SHIP DATE
QUANTITY
PRODUCT
FLOATS ☐ 1 Float (product only) ☐ 2 Floats (product and water)
TANK OPENING ☐ 2 Inch ☐ 4 Inch



Note 1: Level can not be detected within the dead band or null zone.
Note 2: Temperature sensors are spaced equally over range specified.

DIMENSIONS SUPPLIED BY CUSTOMER
D = ☐
Round "D" dimension to the nearest inch

***Overall Length = "D" dimension + 12"**

Name: _____ Company: _____

Signature: _____ Date: _____

***IMPORTANT:** The signature above confirms the buyer's acceptance of all the dimensions contained in this document and authorizes OMNTEC to release order for production. Custom parts are non cancellable and non returnable.*

Note: Current published specifications are subject to change without notification. Verify specifications with manufacturer.

OMNTEC Mfg.,

1993 Pond Road
Ronkonkoma, NY 11779
Phone: 631-981-2001 Fax: 631-981-2007

Quotation

Quoted to:
OMNTEC NON DISTRIBUTOR

Quote Number: EL172369B
Quote Date: Jun 8, 2017
Valid Thru: 7/8/17
Page: 1
Prepared By: Kurt Gibson
FOB: Ronkonkoma, NY
Delivery: 1-2 WEEKS

Attn: OMNTEC NON

Project Name: PROTEUS B OPTION

Sales Rep
OMNTEC

QTY	Item	Note	Description	Net Price	Extension
1.00	OEL8000IIIB4		PROTEUS B4 TANK GAUGING CONTROLLER WITH 7" COLOR TOUCH SCREEN AND (1) RS-232 PORT. ACCEPTS UP TO 4 MTG SERIES INVENTORY PROBES AND 16 BX SERIES LEAK SENSORS	1,467.75	1,467.75
3.00	MTG-		MAGNETOSTRICTIVE GAUGING PROBE UP TO 132" OVERALL LENGTH. TANK DIAMETER MUST BE SPECIFIED. INCLUDES BUNA FLOAT SET FOR PRODUCT AND WATER, CAP AND INSTALL KIT	1,164.75	3,494.25
1.00	ENC-4X		NEMA 4X FIBERGLASS ENCLOSURE FOR THE OEL8000, OEL8000II, AND OEL8000III	465.75	465.75
1.00	EC-2		TWO CONDUCTOR 22 AWG SHIELDED CABLE WITH A DRAIN. SPOOL COMES IN 500' RUNS. (MULTIPLY QUANTITY PER SITE REQUIREMENTS)	156.75	156.75

Please reference quote number when ordering.

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Subtotal	5,584.50
Sales Tax	
Freight	
Total	5,584.50

FUELFORCE® 814 - K
PROXIMITY KEY & CARD
FUEL CONTROLLER



FUELFORCE®

Fuel Management Systems

FUELFORCE®
Fuel Management Systems



Fuel Security & Tracking



Software Reports

FUELFORCE® 814 - K Proximity Key & Card Enabled Fuel Controller

Take control of your fuel operations with the powerful FuelForce® system by Multiforce. FuelForce® is your total solution... scalable, flexible, upgradeable, reliable and secure.

Utilize a key or proximity card to authorize and control the dispensing of fuel products to fleet vehicles while collecting accurate, valuable fuel usage and vehicle data for fuel accounting and fleet maintenance. FuelForce® is unmatched in ease-of-use by both vehicle operators and management personnel. FuelForce® can be implemented in stages, adding sites to gradually replace or supplement your old system.

Anything less, will cost you more.

FUELFORCE® System Features and Benefits

Authorization – You determine the authorization criteria that fits your needs (based on vehicle, driver, fuel type, and odometer checking). The FuelForce controller is configured with a proximity reader that works with both prox keys and prox cards, while also allowing you to fuel specific equipment with the keypad.

Integration - FuelForce® permits data integration with your Fleet Management, HR, Accounting, Facilities Management, and Security systems. For example, by importing your retail fueling transactions, you can run reports that are integrated with your on-site fueling data. Data is shared through a flexible import / export function with common file formats and ODBC interface connections.

Billing – The FuelForce® system provides files showing where all fuel transactions occurred and where you want them billed. All your on-site bulk fueling transactions are charged to appropriate accounts, departments or agencies at prices determined by you at the time of billing.

Fuel Management – FuelForce® controllers help fleets meet tight federal and state fuel regulations by integrating with various tank-monitoring systems. Fuel Deliveries, issues, and ATG dip readings are captured automatically in a single database. FuelForce® controllers can also capture tank monitoring or fuel controller alarms automatically and forward them to a central database. With tank reconciliation capability and alarm notification for every tank in your system, you gain timely data needed to order fuel in a timely manner and correct environmental issues quickly.

Security – You control all aspects of security including access to the fueling sites, access to the island terminal, access to sensitive data, and authorization for issuing fuel. FuelForce's® physical design and flexible user / account based protection will meet your security needs.

FUELFORCE® On-Site Fueling Diagram

814 - K Fuel Controller





Communication Options include:

- **Cellular Data Communication**
- **Network - TCP/IP**
- **Wireless**



- **FuelForce® Host Software**
  - **Your PC**
  - **Your Server**
- **Fuelserve.net™ SaaS**

Specifications

814 - K Fuel Controller

- Proximity card/keyfob reader
- Functional as a keypad only system
- Full alpha-numeric flat faced keypad
- Large 16 line 48 character LCD backlit screen
- Controls up to 8 hoses per controller
- Controls gates and car washes
- Solid state data storage
- Glare free hood design
- "Add Products" button for entering fluids
- Remote diagnostics and system updates
- Keypad access to troubleshooting menus
- Serial link to tank level sensing equipment
- Weather resistant corrosion resistant housing
- Functional at -20° to 140°F and 95% humidity
- Powerful surge protection included
- Underwriters Laboratories approved
- 110V AC; +5V DC

Options

- Stainless steel model
- Mag stripe card reader
- Wireless RFID vehicle tag reader
- E-Mail alarm communicator
- Preventive maintenance alerts
- TankWatch tank level sensor interface
- Tethered Prox Reader to read vehicle attached Prox Tags

FuelForce® Host Software

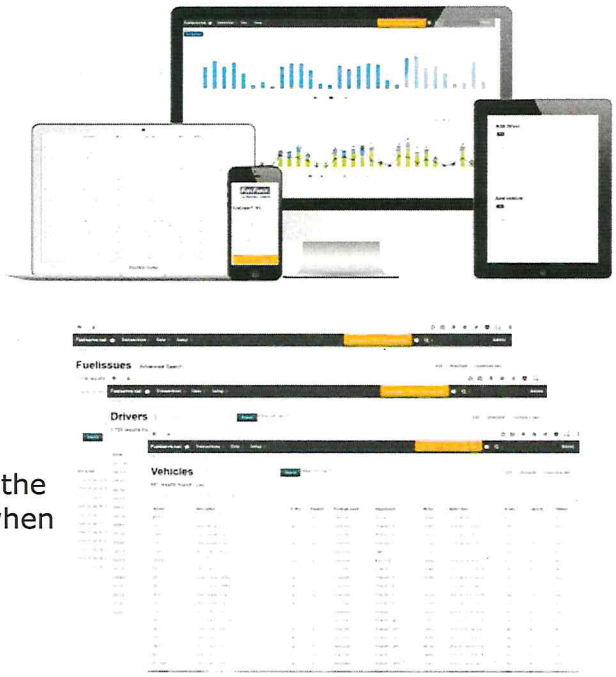
- Standalone PC or network server based
- SQL server DB option
- Any Microsoft Operating System and SQL Server versions that are currently under Mainstream or Extended Support
- User based security to field level access
- Easy import/export function for system integration
- Excel, CSV or ODBC interface connections
- Standard reports show fueling by date, site, vehicle, product, or driver
- Included report writer to create custom reports
- Communicates by, Ethernet TCP/IP network connection or wireless options

Fuelserve.net

- Hosted Software as a Service ("Saas")
- Secure Web Access
- Easy on-line file maintenance
- View data on-line
- Serves manual & automated sites
- Accepts data files from other sources
- No in-house network or IT required
- Powerful query and dashboard features
- File download for easy integration
- Optional cellular service and unlimited help desk support

FUELFORCE® Database & Reports

- Contains all data elements required to perform functions that control fuel and run management reports.
- The software contains 25 standard reports that can be modified by all relevant fields, and set up for automatic report generation.
- The database may be tailored to include client requested information.
- Customers can access the database with other ODBC report writers.
- Vehicles may be assigned to departments and grouped by class.
- The software allows centralized control of site, driver and vehicle messaging that appears on the fuel controller. A message can be displayed when a vehicle is due for maintenance, or send a message to an individual driver.
- Security provisions protect the database from inadvertent or unauthorized access.
- Standard 500,000 vehicle & 500,000 driver capacity, with a simple process to add more.



FUELSERVE.NET™ Web Enabled Fuel Management ASP Service

Outsource your fuel management administration and utilize a secure web based solution. Multiforce offers an efficient and cost effective service that will allow you to view your data, adjust drivers and vehicles, and download your fuel reports.

FUELFORCE® Support Services

FuelForce® offers a comprehensive hardware, software and telephone support plan. Fully trained Installation Technicians and Customer Support Technicians are available to make your fuel management system run smoothly from day one.

c UL US LISTED



Made In The U.S.A.



MULTIFORCE systems corporation

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FAX: (609) 683-4835
WWW.FUELFORCE.COM

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Document No. 814K-0916

FUELFORCE®
Fuel Management Systems

FuelServe.Net Web Hosting Service



+



= **FuelServe.Net®**

Fuel Management By Multiforce

Once you have one or more FuelForce fuel controllers authorizing fuel, you want a convenient, simple and cost effective tool to view important information, access the fuel data and perform administrative activities such as driver, vehicle or fuel pricing updates. You no longer are limited to the traditional software licensing approach, and with the web based hosting service, FuelServe.Net, you can now use any web browser to accomplish your fuel management needs more efficiently, at a lower cost, and from any device that has access to the internet.

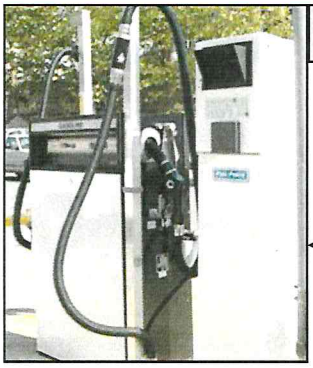
This powerful, easy to use system gives the user the ability to view and download files to an internet accessible laptop, iPhone, PC, or handheld device. With a spreadsheet program (such as Excel) you can use your customized .csv file as downloaded or modify it to your needs. Your data can be imported into any reporting or fleet management program of your choice - then run your existing management reports with your data. FuelServe.Net is the engine that lets you view, sort, and filter your data to give you only the selected information you need to build the report you want to present.

The FuelServe.Net service connects into each FuelForce fuel controller using a wireless cellular data modem, and imports your fuel data into your account. Now you have the ability to securely access any of your data through your unique password protected FuelServe.Net website.

Use Excel, Access, Crystal Reports or other report writer, or import the data into your Enterprise System. Features include the ability to add, modify or make inactive any drivers or vehicles in your account. All activities can be performed from your office location, or just as easily from any remote location that has a connection to the internet.

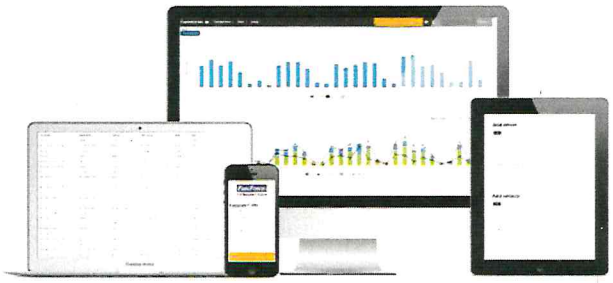
FuelServe.Net Advantages:

- Access Your Account From Anywhere You Have The Internet. You Do Not Need To Be On Site.
- As Simple To Use As "On-Line" Banking.
- No FuelForce Software On Your Computer.
- Free Up Resources By Having FuelForce Provide Your Fuel Data To You.
- Great For Customers With Single Or Multiple Sites.
- Interface To Your Tank Gauge System.
- Fuel Managers Access Fuel Data Via Secure Website.
- Different Levels Of Access: Admin or Read Only.
- Use Spreadsheets Or Report Writer For Customized Reports.
- Provides System Health Checks And Sends Email Alerts To Technicians If There Is A Problem.
- Includes Automatic Backup Of Your Data.



Wireless Data Modem





Your Fuel Site

FuelServe.Net Server

Access Your Data Using The Internet. Customize and Print Your Own Reports!

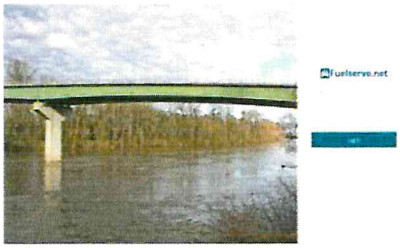
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Call For A Quick Demo!

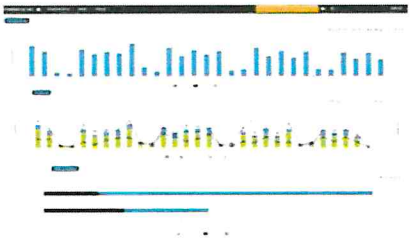
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FUELFORCE®
Fuel Management Systems

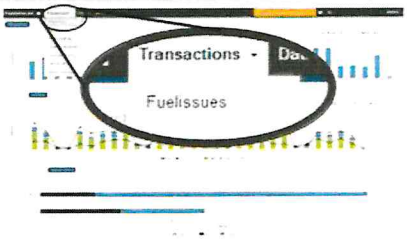
FuelServe.Net Web Hosting Service



Web Page –
FuelServe.Net Log In



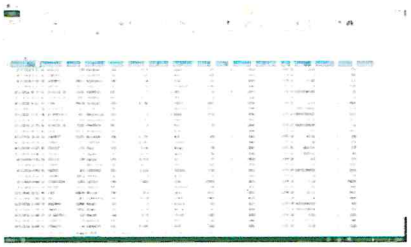
Start At the Dashboard



Select Your Data



View Your Data



Download Your Data



Create Custom Reports

Benefits of FuelServe.Net over maintaining traditional Fuel Management System software on your network:

- Eliminates the cost of system administration by your IT department.
- Fuel Managers can access your fuel data through secure access (https) via a web browser from any place at any time.
- Health check of your sites for the most recent period (approximately the last 24 hours):
  - Number of fuel transactions
  - Number of bypass transactions (locate the problems and when they occurred)
  - Number of zero quantity transactions (spot bad pulsers and other site related problems)
  - Number of error events
- Authorized users can query and filter fuel issues, deliveries, dip readings, and various databases on line with little or no training. When you have selected the data you want to look at in more detail, you may download it to your local computer in a .csv format for saving to Excel, Access, or other program of your choice.
- Once you have created a view of the data you like, you can "bookmark" it for future access without resetting your query and filters. For example, if you want a monthly report sorted by vehicle, you can set up a query (report view). With a saved bookmarked view, which you might label "Last Month Vehicle Report" all transactions that occurred last month will appear automatically in your query ready for download and reporting.
- You have a built in Tank Reconciliation report that can be populated by automated or manual dip readings and deliveries.
- You can assign administrative rights to persons responsible for maintaining your vehicle and driver database on-line and user rights to persons who can only view and download their data. You can also restrict users to viewing only those departments and sites they are responsible for.
- For Clients upgrading to FuelServe from traditional software, you can pass your downloaded file to other systems in your in-house network simply and easily. While you may be familiar with the FuelForce host software today, every time you have a personnel change, you need to retrain the new person on how to administer the system. Many times, this retraining loses something in the translation. Now with FuelServe.net, these are no longer concerns.
- Upgrading FuelServe.Net is done by Multiforce, not your IT department. This keeps your Fuel Management system independent. You are no longer concerned if the software will run on your new operating system. Simply download your file into whatever version of Excel or other product you wish.
- Most users today have experience with some spreadsheet or report writer. FuelServe.Net allows you to take advantage of this experience when viewing your fuel data.
- Select the FuelServe.Net package that meets your needs...
  All packages are covered by an annual subscription fee, which includes automatic backup of your data and varies with the number of sites managed, the number of times the sites are polled per day, your choice of Help Desk support level, and optional access to new FuelServe.Net features offered as future enhancements.
- Call for a FuelServe.Net Demo and let us show you how easy and beneficial this system can be!

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101 WALL STREET PRINCETON NJ 08540

Call For A Quick Demo!

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FUELFORCE®

Fuel Management Systems

TRANSFORMING FUEL MANAGEMENT

Your fleet fueling operations are important. Trust an industry expert who can meet your needs. With FuelForce authorization and reporting solutions, you can add and update capabilities, such as web based administration, proximity RFID devices, wireless communication, GPS, tank monitoring and more.



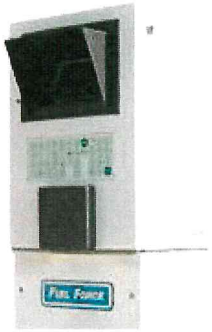
894

- Cost Effective
- Up To 4 Hoses
- Numeric Keypad
- Card Reader
- Prox Key Reader



814

- Flexible Configurations
- Up To 8 Hoses & Satellites Units
- Alphanumeric Keypad
- Multiple Input Options
- Customizable Prompts



EXACTA

- Private Site Unit
- Up To 4 Hoses
- Receipt Printer
- Entry Level Features
- Numeric Keypad



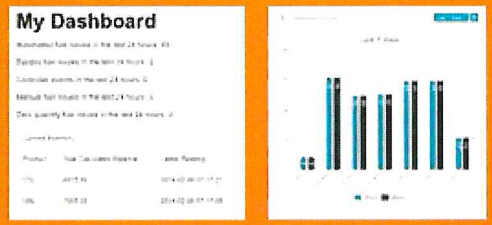
WAVE

- Retail Site Unit
- Accepts Credit & Fleet Cards
- Secure Access Receipt Printer
- PCI Compliant Solution
- Alphanumeric Keypad
- Customizable Prompts



FUELSERVE.NET

Choose the easiest way to **manage your fuel** from any browser device with our secure **Fuelserve.net** web based system. Simply view, filter, arrange and download your data to a spreadsheet or PDF report. The convenient dashboard summary lists important fleet data and has useful alert messages, comparative usage charts and tank inventory information.



Traditional PC, Server, and SQL Server software are also available.

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Sales@FuelForce.com
www.FuelForce.com

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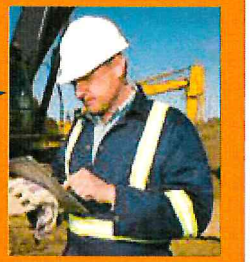
Linkedin.com/in/fuelforce

www.FuelForce.com

FuelForce Features

- ✔ Proven Quality & Reliability
- ✔ Retail & Private Site Use
- ✔ PCI Compliance
- ✔ Custom Display Text
- ✔ Wide Dispenser Selection
- ✔ Superior Customer Support

"I've heard that FuelForce can effectively control and administer my unleaded, diesel, alternative fuels and other fluids."



"Yes, let's talk about your needs and priorities, and we will prepare a solution to help you achieve your goals."



THE Most Versatile FUEL MANAGEMENT System IN THE INDUSTRY!







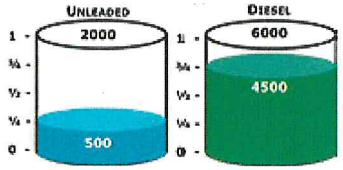


Common Input Options



Credit, Fleet, House Cards | Prox Keys, Cards | Keypad | Bar Code Readers | Vehicle Tags

FuelForce Has Integration Options For



Tank Inventory Monitoring



GPS and Vehicle Tracking

Z-CARD® PocketMedia® US patent 5945195 #1224
Z-CARD®NA, 212-797-3450 www.zcardna.com

P A L M D A L E W A T E R D I S T R I C T

B O A R D M E M O R A N D U M

DATE:	September 6, 2017	**September 11, 2017**
TO:	FACILITIES COMMITTEE	**Committee Meeting**
FROM:	Mr. Tim Moore, Facilities Manager	
VIA:	Mr. Dennis D. LaMoreaux, General Manager	
RE:	***AGENDA ITEM NO. 4.3 – CONSIDERATION AND POSSIBLE ACTION ON ELEVATOR REPAIRS. (COST TO BE DETERMINED – BUDGETED – FACILITIES MANAGER MOORE)***	

Information and costs on this item will be distributed at the Committee meeting.