

Proven Magnetostrictive Sensing Performance in a Revolutionary New Package!

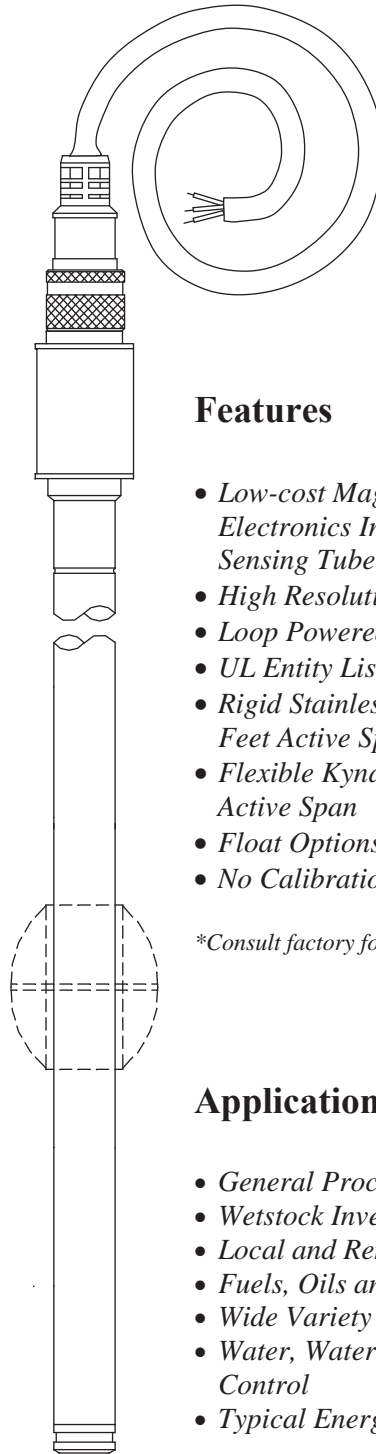
MTG420 probes take field proven technology and packages it in a revolutionary new way for greater reliability, easy installation, and mounting. MTG420 is ideal for continuous level monitoring with a variety of liquid media.

All electronics are integrated into a 5/8" diameter sensing tube. MTG420 is available in stainless steel or flexible Kynar®.

This break through in package design eliminates the bulky electronics enclosure at the top of the probe and offers you greater options for insertion and mounting in tanks and vessels. The 316 stainless steel housing is all welded construction and suitable in a wide variety of applications.

The SMT electronics provide 0.1% accuracy and have a 4 wire, loop powered 4-20mA output for process applications.

The MTG420's lower cost design provides more options, offers savings on installation, and has the ultimate in "designed-in" reliability.



Features

- *Low-cost Magnetostrictive Design with Electronics Integrated into 5/8" Sensing Tube*
- *High Resolution and Accuracy*
- *Loop Powered 4-20mA Transducer*
- *UL Entity Listed, Intrinsically Safe*
- *Rigid Stainless Steel Design up to 16 Feet Active Span**
- *Flexible Kynar® Design up to 24 Feet Active Span*
- *Float Options*
- *No Calibration Required*

**Consult factory for lengths over 16 feet*

Applications

- *General Process Control*
- *Wetstock Inventory Management*
- *Local and Remote Tank Gauging*
- *Fuels, Oils and Solvents*
- *Wide Variety of Chemicals*
- *Water, Water Treatment and Flood Control*
- *Typical Energy Management Interface*

Principles of Operation

The MTG420 liquid level probe's internal circuits are all SMT electronics. No external transmitter module is required.

Level measurement is retrieved by sending a current pulse down a magnetostrictive wire inside the sensing tube. The interaction of the current pulse and the magnetic field created by a moveable float with embedded magnet produces a torsional strain pulse on the wire. The strain pulse travels up the wire at a known speed and interacts with a pickup device to provide an electronic pulse. The time interval between this pulse and the initial primary current pulse is converted into the appropriate 4-20mA signal which represents the position of the float. This same technology has been used for several years in high resolution probes for underground tank leak detection.

One level output is provided with field programmable 4 and 20 mA points in a standard loop powered configuration. The 4 and 20 mA points can be interchanged as an ordering option. The 4 and 20 mA points are programmable distances from the sensor ends for scaling by the customer's controller.

The MTG420 probe has entity listing for intrinsic safety by Underwriters Laboratories for Class I, II, III Div. 1, Groups C, D, E, F & G hazardous areas when used with a suitable barrier having proper UL entity parameters.

No Calibration

The unit needs only to be installed and fixed in position. There are no adjustments or calibrations. Only the float will move with the liquid level and no maintenance required. Scaling or offset can be done in the electronic controller.

Reference Specifications

Operating Voltage (Vs)		10 to 30 VDC*
Loop Impedance (R)		0-1000 Ohms@24volts
Output		4-20 mA
Temperature Range		-20° to +110° C
Accuracy		0.1% or .050" (whichever is greater)
Repeatability		0.025% or .050" (whichever is greater)
Drift		0.1% / degrees C
Enclosure	Material	316SS or PVDF
	Rating	IPX8
Probe Lengths	Rigid SS	20" – 288" **
Active Span	Flexible PVDF	20" – 600"
Deadband	Rigid SS	2"
	Flexible PVDF	3" – 12" (see dimensions below)
Null Zone	Rigid SS	8"
	Flexible PVDF	12" (see dimensions below)
Floats		Any standard
Liquid Viscosity		1500 centipoise (float dependant)
Liquid Specific Gravity		0.65 minimum (float dependant)

* $V_s - R (.02) \geq VDC$

** Consult Factory for lengths over 16 ft

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

Controller

Units are suitable for use with stand-alone meters, programmable controller inputs, process controls and other loop powered 4-20mA inputs. For hazardous areas, a suitable IS barrier is required.

Intrinsically Safe Applications

The intrinsically safe barrier must be selected with entity parameters of:

Voc less than or equal to 31 Vdc
Isc less than or equal to 165 mA

The total loop capacitance and inductance of the wire should not exceed the Ca and La of the barrier for the appropriate Class and Group required. Use 60p/foot and 0.2 microH/foot for the wire if these parameters are not known.

The resistive impedance of all devices in the current loop including the wire, meter and controller, and the intrinsically safe barrier should not exceed 500 ohms.

The voltage output of the power supply should be great enough to supply at least 14 Vdc at the MTG420 probe after considering the voltage drops across all other resistance in the loop. The power supply voltage should never exceed the Vmax of the barrier.

Barriers

Select either a single channel or a dual channel barrier. The single channel barrier can only be used if the meter (resistive load) is placed in the positive leg of the loop and the meter has a different input. If the meter (resistive load) must have one side connected to ground, then a dual channel barrier must be used.

Suggested Barriers

	Single Channel	Dual Channel
STAHL	9001/01-280-100-10	9002/13-280-110-00
MTL	MTL 708	MTL 787P+

Swage Lock

Stainless steel 5/8" NPT ferrule type fitting for tank mounting & vertical adjustability at initial set-up.



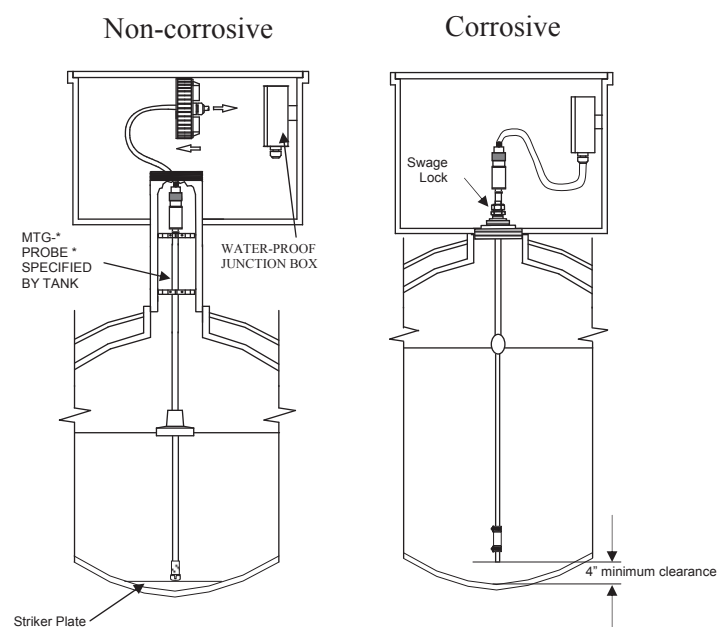
No Calibration

The unit needs only to be installed and fixed in position. There are no adjustments or calibrations. Only the float will move with the liquid level and no maintenance required. Scaling or offset can be done in the electronic controller.

Power Supply Guide Lines

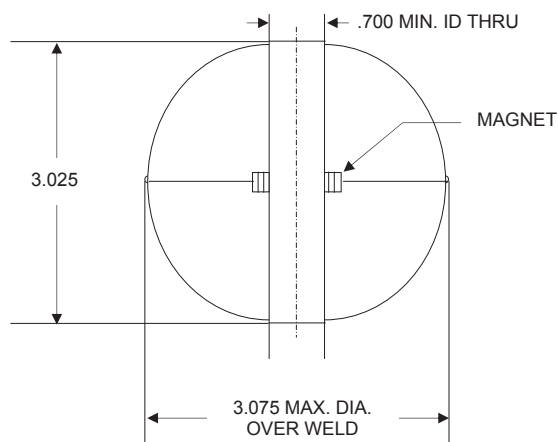
Power supply should have a 24 Vdc typical output, and no more than 1000 feet of 16 gauge wire in the loop. Linear recommended, 0.5% regulation 100 millivolt maximum ripple.

Typical Installation

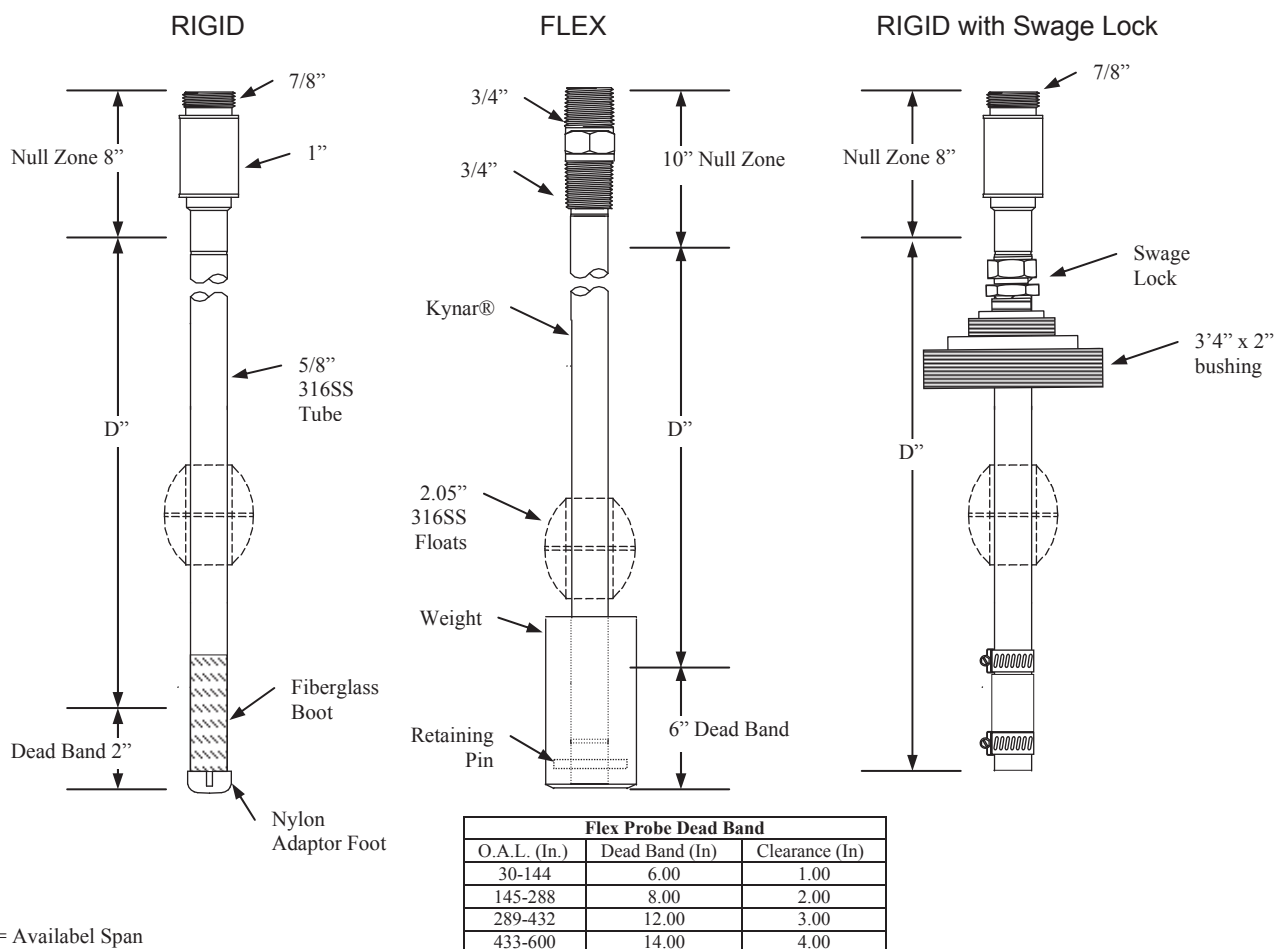
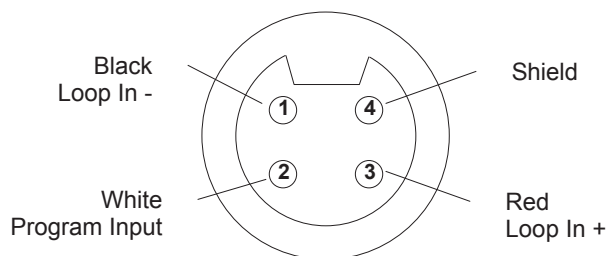


Propane Float Option

The SSPF-3 is a 3" #304 stainless steel float for propane applications. Note: This float will not fit in 3" schedule 40 pipe.



Probe Head Pin Assignments



D" = Availabel Span

OMNTEC Continuous In-Tank Leak Detection

CITLD FAQ's

What is CITLD?

OMNTEC CITLD allows the OEL8000II controller to perform continuous (24 hour) in-tank leak detection.

How does it work?

OMNTEC CITLD software is designed to identify idle time in the tank. Once a sufficient amount of inactive data has been collected the system will analyze the status and print a report.

Do I have to shut down my tanks to test?

OMNTEC CITLD is ideal for stations in service 24 hours. CITLD software allows stations to operate un-interrupted while performing required leak tests. Tank shut down is no longer necessary.

Is it certified?

OMNTEC CITLD is 3rd Party certified and EPA National Work Group listed. Visit OMNTEC's website to view certification: www.OMNTEC.com

What report is printed?

The OEL8000II will print the report shown here →

What about existing systems?

Existing systems can be easily upgraded.

How do I order it?

When ordering refer to part number OEL8000II-CITLD.

How much does it cost?

The OEL8000II-CITLD is competitively priced. Consult your local representative or distributor for pricing.

—OMNTEC Mfg., Inc.
Tel: 1 (631)981-2001
Fax: 1 (631)981-2007

—SITE INFORMATION:
ID#: EL123456
VER 4.01 ENG 091002H3
NOV 13, 2002 02:22 PM

—CITLD REPORT 1.01
OCT, 2002 Results:
Tank 1, DIESEL
Start Time: WE 11/13/02 06:00:08
End Time: WE 11/13/02 09:04:36
% High 46
% Low 46
Slope: 0.035 GPH
.2 GPH Test, Thresh .1 PASSED

Tank 2, DIESEL
Start Time: WE 11/13/02 06:00:08



OMNTEC Mfg., Inc. is a manufacturer of leak detection and tank gauging equipment. For more information please contact your sales representative. For a list of local representatives contact OMNTEC at 631-981-2001.

PROTEUS-K Specification

Tank Gauging, Leak Monitoring and Overfill Prevention

A. Tank Gauging Monitor:

1. Provide and install one common remote tank gauging and leak detection system for all tanks that can simultaneously monitor product levels, water levels, temperatures, and leaks in up to eight tanks. System shall be UL listed and provide intrinsically safe outputs for use in Class 1, Group C & D Hazardous Locations when wired in accordance with manufacturers control drawing. System shall also be Third Party Certified and listed to meet EPA leak detection requirements. Locate monitor console where shown on project drawings.
2. Central Processing and Indicating Instrument – Controller shall have a backlit 7 inch color touchscreen display and 32 character thermal printer. System must be capable of driving single or multi-tank 12 VDC NEMA 4 X remote audio visual high level alarms and/or remote displays. System must be capable of providing up to three individually programmed isolated relay contacts for any alarm event. Controller shall be as manufactured by OMNTEC Mfg., Inc. Model No. **OEL8000IIIKP**. The main console will be preprogrammed by the factory and field adjusted as required. Console shall be equipped with (1) RS-232 port, Ethernet, and e-mail capability for communication. Modbus, additional relays, and 4-20mA output shall be available as options. System shall also be capable of serving up a web page making current inventory, sensor status and alarms available from any web browser or smart phone.
3. Panel shall come equipped with three LED lights for Ok, Warning, and Alarm status. Alarms shall be displayed visually on a 7" color touch screen with wide viewing angle as well as Warning and Alarm lights on face of panel. System shall have an 85dB piezoelectric horn for audible alarm indication.
4. Panel shall be compact in size not to exceed 15.21" (w) 7.73" (h) 5.53 (d) and constructed of powder coated industrial steel for indoor mounting. The complete leak / level gauging system shall include a one year parts warranty. The complete leak / level monitoring system shall be as manufactured by OMNTEC Mfg. Inc. Ronkonkoma, NY (631-981-2001) or equal

B. The liquid level probe

1. Shall consist of a 316 grade stainless steel IP68 rated rigid model **MTG** level probes or model MTG-F Kynar flexible level probes where overhead clearance is not available. Probe shall use magnetostrictive technology with 6 temperature sensing devices and an accuracy of .01 inches in inventory mode and .001 inches in leak detection mode. Probe shall simultaneously provide product levels, water levels, and temperature within the storage tanks.
2. The level probe shall be installed in an accessible 4" NPT male riser pipe. Probe shall include a 4" cap with integral cable gland, floats, and installation kit. (2" NPT option available upon request) All splices must use supplied splice kits. Field wiring from probe to controller must be OMNTEC **EC-2** or Belden 8761 cable in suitable conduit. Level probes shall be as supplied by OMNTEC Mfg., Inc.

PROTEUS-K Specification

C. Product Discriminating Smart Leak Sensors

1. All leak sensors shall be micro processor based and capable of recognizing its unique serial number, part number, and function. All sensors (up to 16) shall be capable of being installed on (1) four conductor cable back to the main controller. The sensors principle of operation shall be electro optic for liquid detection and conductivity to discriminate fuel and water. Sensors shall be remotely testable from console via touch screen Test button icon. Sensors shall be capable of detecting liquid at any angle. Float technology will not be accepted. Interstitial sensors shall be model # **BX-PDWS** for steel tank interstitials or **BX-PDWF-*** (* denotes tank diameter) for dry double wall space fiberglass tanks or **BX-RES** for Brine filled fiberglass tanks. Containment sump sensors shall be part number **BX-PDS**. See project drawings for location and quantities of sensors required. All sensors are to be wired thru conduits using OMNTEC **EC-4** cable or 22 gauge four conductors, shielded cable with drain wire. Do not run OEL8000IIKP intrinsically safe low voltage wiring in the same conduit with any other wiring. All sensors shall be as manufactured by OMNTEC Mfg., Inc.

D. Non Product Discriminating Smart Leak Sensors

1. All leak sensors shall be micro processor based and capable of recognizing its unique serial number, part number, and function. All sensors (up to 16) shall be capable of being installed on (1) four conductor cable back to the main controller. The sensors principle of operation shall be electro optic for liquid detection only. Sensors shall be remotely testable from console via touch screen Test button icon. Sensors shall be capable of detecting liquid at any angle. Float technology will not be accepted. Interstitial sensors shall be model # **BX-LWS** for steel tank interstitials or **BX-LWF-*** (* denotes tank diameter) for dry double wall space fiberglass tanks or **BX-RES** for Brine filled fiberglass tanks. Containment sump sensors shall be part number **BX-LS**. See project drawings for location and quantities of sensors required. All sensors are to be wired thru conduits using OMNTEC **EC-4** cable or 22 gauge four conductors, shielded cable with drain wire. Do not run OEL8000IIKP intrinsically safe low voltage wiring in the same conduit with any other wiring. All sensors shall be as manufactured by OMNTEC Mfg., Inc.

E. Overfill Station

1. Provide near each tank fill terminal as shown on project drawings a low voltage audio/visual NEMA 4X overfill alarm and silencing station. Remote annunciator light shall illuminate and horn shall sound when the liquid level in the tank rises above a pre-programmed high level point. The horn will remain on until the silence button is pressed or can be programmed to time out. Visual light will remain lit until the level in the tank drops below the high level point. Remote annunciator shall be **RAS** series for single or multi-tanks and shall be manufactured by OMNTEC Mfg., Inc.

PROTEUS Mini-ME Specification

ATG Remote Monitor

Provide a 7" color touch screen graphic remote display (Part Number **RD7CTS**) as manufactured by OMNTEC Mfg., Inc. Display must utilize industry standard protocol for use with most Automatic Tank Gauge monitoring systems. The remote ATG monitor shall display current tank inventory and leak sensor alarms in up to 8 tanks. Display shall come equipped with three LED lights on panel face for Ok, Warning, and Alarm Status.

Alarms shall be displayed visually on a 7" color touch screen with wide viewing angle as well as Warning and Alarm lights on face of panel. System shall have 85dB piezoelectric horn for audible alarm indication. Enclosure shall be powder coated industrial steel for indoor mounting. Must be capable of flush mount or recess mounting as required. Enclosure shall be compact in size, not to exceed (H) 7.63" (W) 8.08" (D) 3.20".

System must operate on 120/240 VAC or 12VDC via hard wired or power cord kit (Part Number **RD-PCK**)

Include a 75' extension cable for connection from RD7CTS to ATG monitor (Part Number **RD-232C-75**)

For distances greater than 75' and up to 3000' provide an RS-232 booster kit (Part Number **C232-422-RD7CTS**).

Where necessary, provide a wireless link that will allow 500' line of site communication between main ATG and RD7CTS (Part Number **WRS-232**) as manufactured by OMNTEC Mfg., Inc. For distances greater than 500' provide **WRS-232R** repeater.

OMNTEC Bid Specification

OEL8000II

Automatic Tank Gauging
Leak Detection System



Table of Contents

PART 1	SYSTEM REQUIREMENTS.....	1
1.1	DESCRIPTION	1
1.2	STANDARDS.....	1
PART 2	SPECIFICATIONS	1
2.1	IN-TANK LEAK DETECTION	1
2.2	INTERSTITIAL LEAK DETECTION FOR DOUBLE-WALL TANKS	1
2.3	DISCRIMINATING SUMP MONITORING	2
2.4	NON-DISCRIMINATING MONITORING.....	2
2.5	WELL MONITORING.....	2
2.6	PRODUCT INVENTORY	2
2.7	INVENTORY MANAGEMENT REPORTS	3
2.8	COMMUNICATIONS	3
2.9	I/O INTERFACE	4
2.10	LOW VOLTAGE OUTPUTS	4
2.11	ALARMS	4
2.12	INSTALLATION.....	4
2.13	TEST FEATURE	4
PART 3	SYSTEM CAPABILITIES	5
3.1	CONTROLLER.....	5
3.2	GAUGING PROBES.....	5
3.3	LEAK SENSORS.....	5
3.4	COMMUNICATIONS	7
PART 4	TECHNICAL SUPPORT	7
4.1	TECHNICAL SUPPORT	7
PART 5	DOCUMENTATION	7
5.1	MANUALS.....	7
5.2	THIRD-PARTY CERTIFICATION.....	8
PART 6	WARRANTY	8

* Specifications subject to change without notice

Part 1 System Requirements

1.1 Description

- A. This specification is intended to provide information for bidders in order to understand the aboveground and underground storage tank systems.
- B. This specification will describe a continuous aboveground/underground storage tank and leak detection system that is in accordance with Subpart D CFR 280 and shall meet the performance specifications and functions of the OMNTEC Automatic Tank Gauge and Leak Detection Monitoring System.
- C. The aboveground/underground storage tank system shall meet all applicable standards and regulatory agency requirements, including, but not limited to, the standards and requirements of the following:
 - D. Environmental Protection Agency (EPA)
 - E. Underwriters Laboratories, Inc. (UL)
 - F. National Electric Code (NEC)
 - G. National Bureau of Standards (NBS)
 - H. National Fire Protection Agency (NFPA)
 - I. American Petroleum Institute (API)
 - J. American Society for Testing and Materials (ASTM)
 - K. American National Standards Institute (ANSI)
 - L. Underground Storage Tanks: Subpart D, 40 CFR Part 280

1.2 Standards

- A. Standards for Tank Monitoring Systems include sensors, probes, leak detectors and all accessories.
- B. EPA Regulations 40 CFR Sub Part D
- C. Certification by an Independent Laboratory using EPA Protocol (#EPA/530/UST-90/006)

Part 2 Specifications

2.1 In-tank Leak Detection

- A. The system shall utilize probes based on magnetostrictive technology to measure level and in-tank leak detection.
- B. The Automatic Tank Gauge (ATG) will be capable of performing a static monthly tank tightness test to a threshold of 0.1 GPH with a $P_D=99.9\%$ and $P_{FA}=0.1\%$. The Automatic Tank Gauge (ATG) will be capable of performing a static annual tank tightness test to a threshold of 0.05 GPH with $P_D=97.8\%$ and $P_{FA}=2.2\%$.

2.2 Interstitial Leak Detection for Double-wall Tanks

2.2.1 Wet Monitoring

- A. The system shall be capable of detecting a breach in the inner or outer wall of a brine-filled interstitial space of a double-wall fiberglass tank by continuous leak sensing of the level in the reservoir.

- B. The system shall distinguish between a high level and a low level in the brine reservoir of a double-wall tank and alarm to indicate if level changes.

2.2.2 Discriminating Dry Monitoring

- A. The system will be capable of detecting a breach in the inner or outer wall by performing continuous leak sensing in the dry interstitial space.
- B. The system will be capable of distinguishing between water or hydrocarbons and annunciating the specific alarm.
- C. The leak sensor will be designed for ease of installation or removal.
- D. The system will detect probe or leak sensor failure.
- E. The leak sensor will be installed without leader cable

2.3 Discriminating Sump Monitoring

- A. The system will perform automatic, continuous leak detection in all sumps.
- B. The system will be capable of distinguishing between water or hydrocarbons and annunciating the specific alarm.
- C. All sensors will be self-diagnostic.

2.4 Non-discriminating Monitoring

- A. The system will perform automatic, continuous leak detection in all sumps and interstitial spaces
- B. All sensors will be self diagnostic
- C. The system will be capable of annunciating sensor alarm
- D. The leak sensor will be designed for ease of installation or removal

2.5 Well Monitoring

2.5.1 Dry Well

- A. The system will be capable of detecting the presence of hydrocarbons by monitoring well using vapor sensors of the adsistor technology.
- B. The sensor will generate the appropriate alarm.
- C. The sensor will not be sacrificial.

2.5.2 Wet Well

- A. The system will be capable of detecting hydrocarbons or water in a wet well.
- B. The sensor will annunciate the appropriate hydrocarbon alarm with .031 inches of hydrocarbon present.
- C. The sensor will alarm on the presence of water.

2.6 Product Inventory

- A. The tank monitoring system will have the capability of reporting all deliveries, a minimum of three shift reports per day, and real time tank volume; tank volume; tank temperature and product height in inches.
- B. The system will be capable of automatically producing inventory reports.
- C. The system will be capable of storing 32 deliveries.

2.7 Inventory Management Reports

- A. The system shall monitor inventory in either U.S. or Metric units in up to eight tanks and produce a combination of automatic and manual reports for each tank. The reports should include the following information:
 - 1. Shift reports
 - 2. Leak tests (Volumetric)
 - 3. Alarm report & history
 - 4. High-Low level status
 - 5. Drop reports
 - 6. Alarm status
 - 7. System configuration
 - 8. Water level / volume
 - 9. Product volume / height
 - 10. Environmental compliance reports
- B. All inventory reports will be generated automatically or on demand.
- C. The system will be capable of generating automatic drop reports.
- D. The system will be capable of displaying all information via printer (optional) and L.C.D. display.

2.8 Communications

- A. The tank monitoring system will provide the ability to communicate with locally attached electronic devices through RS-232 ports, RS485 port or with remote locations via an internal Fax / modem or relay outputs.
- B. The communications protocol shall be OMNTEC native communications protocol or compatible.
- C. The tank monitoring system shall provide all available reports on the integral printer (optional)

2.8.1 Serial Communications

- A. The system shall provide two RS-232 and one RS485 communications interface for data transmission to a computer or a Fax / modem for remote communications.

2.8.2 Fax / modem

- A. The automatic tank gauging system (ATG) shall contain an internal Hayes-compatible Fax / modem with a snap in RJ-11 jack for direct data transmission over phone lines, and have the ability to transmit information directly to a PC.
- B. The Fax / modem shall have the ability to:
 - 1. Interface with a computer
 - 2. Receive calls from a PC or terminal to query ATG information. The ATG shall have provisions for enabling or disabling the answer mode for telephone line sharing applications.

2.8.3 Reports

- A. The system shall be able to generate reports through the communication interface in a display or printer. All reports may be retrieved locally.
- B. The system shall be capable of running all reports native to the ATG it is monitoring, and generate them on demand.

2.9 I/O Interface

2.9.1 Relays

- A. The system will be capable of accepting up to twenty-four programmable SPDT relay outputs.
- B. Relays will be true form C programmable both normally open and normally closed.
- C. The relays can be configured in either a Normally Open or a Normally Closed orientation.

2.10 Low Voltage Outputs

- A. System will be capable of generating up to eight low voltage outputs (12VDC) for external devices (high level remote annunciators)

2.11 Alarms

- A. The tank monitoring system will be capable of audible and visual indication on all alarms.
- B. Alarms:
 - 1. High product
 - 2. Caution (visual only)
 - 3. Low product
 - 4. High water
 - 5. Any leak alarm
- C. All alarm conditions will be capable of being printed automatically or on demand (optional)
- D. The system will be capable of remotely communicating all alarm conditions.
- E. The system will be capable of silencing all audible alarms.
- F. All visual alarm conditions must remain until alarm condition is removed.
- G. The system shall be capable of accepting up to eight low voltage audio/visual high level remote annunciators with acknowledge switches.
- H. The system will be capable of storing a minimum of 148 alarm conditions

2.12 Installation

- A. The system will be site programmable for specific tank specifications.
- B. The system will offer numeric security code.
- C. The system will be capable of providing site location information.
- D. System will be capable of printing all set-up parameters.

2.13 Test Feature

- A. The system will have a test button capable of testing:
 - 1. RAM
 - 2. PROM
 - 3. Leak sensors
 - 4. Gauging probes
 - 5. Audible / visual
 - 6. Printer
 - 7. L.C.D. display

8. Internal electronic diagnostics
9. Test feature allows for sensor remote testing as per Third Party Certification

Part 3 System Capabilities

3.1 Controller

- A. The controller will have 20 oil tight tactile switches for alphanumeric programming.
- B. The controller will have 4x40 L.C.D. LED backlit display.
- C. The controller will have three L.E.D. indicators for alarm, fault and OK status.
- D. The controller will have a 36 character thermal printer. (optional)
- E. The controller will have battery back-up for programming memory
- F. The controller will have the capability to communicate with remote computers.
- G. The controller will be UL listed.
- H. The controller will be installed per UL and NEC code for intrinsic safety.
- I. The controller will have intrinsically safe inputs.
- J. The controller will be equipped with a locking mechanism.
- K. The controller will have conduit knockouts.
- L. The controller will be wall mountable.
- M. All internal power will be supplied by off board switching regulated power supply.

3.2 Gauging Probes

- A. All probes will be wired with Belden 8761 (OMNTEC EC-2).
- B. Using Belden 8761 probe must not be placed in excess of 1000ft from controller
- C. For cable runs greater than 1000 ft consult manufacturer.
- D. The probe will be capable of performing a .1gph and .2gph tightness test per EPA protocol.
- E. All probes must be third party certified.
- F. All probes are acceptable for both AST and UST installations.
- G. All probes will be capable of being installed in 2", 3" or 4" openings and must be field adjustable.
- H. The probe must have a minimum of six temperature-sensing devices.
- I. The probe must be constructed of 316 grade stainless steel all welded construction.
- J. The probe must be supplied with cathodic boot, minimum of six inches in length.
- K. The probe must have striker plate protective end cap.

3.3 Leak Sensors

- A. Sensors must utilize electro-optic technology with four wire buss networking capability
- B. The sensors will be wired with 4 conductor 22AWG shielded cable with drain (OMNTEC EC-4) or equivalent.
- C. The system will be capable of monitoring up to 44 leak sensors.
- D. Sensors will be able to be tested without removal from location.

3.3.1 Discriminating Sump Sensor

- A. The discriminating sump sensor shall utilize electro-optic technology to detect the presence of liquid and use a conductive electrode to determine whether the liquid is water or hydrocarbon, and provide an alarm to notify the user of the situation.
- B. The sump sensor shall not be sacrificial.
- C. The sump sensor shall provide an indication of fluid when liquid reaches approximately .5” in height.
- D. The sump sensors shall be supplied with a twelve-foot cable to connect the sensors to field wiring in the sensor junction box.
- E. The sump sensor shall be supplied with watertight installation splice kit.

3.3.2 Discriminating Interstitial Sensor for Dry Double-wall Steel Tanks

- A. The interstitial sensor for a doublewall steel tank shall be designed to fit in a 2” drop tube.
- B. The interstitial sensor will be equipped with 20ft of cable.
- C. The sensor will utilize electro-optic technology to detect the presence of liquid and use a conductive electrode to determine whether the liquid is water or hydrocarbon, and shall provide an alarm to notify the end user.
- D. Sensor will be supplied with cord grip and water tight installation splice kit.

3.3.3 Discriminating Interstitial Sensor for Dry Double-wall Fiberglass Tanks

- A. The sensor shall be designed to fit into an interstitial monitor rib and be positioned at the bottom of the tank.
- B. The interstitial sensor will be equipped with 20ft of cable.
- C. The sensor will utilize electro-optic technology to detect the presence of liquid and use a conductive electrode to determine whether the liquid is water or hydrocarbon, and shall provide an alarm to notify the end user.
- D. Sensor will be supplied with cord grip and watertight installation splice kit.

3.3.4 Reservoir Sensor

- A. The reservoir sensor will use electro-optic sensing technology.
- B. The reservoir sensor shall be designed to fit into a typical brine filled reservoir configuration.
- C. The sensor shall be supplied with twenty feet of cable and a watertight splice kit.
- D. The sensor will be capable of detecting a change in the reservoir level.

3.3.5 Monitoring Well Sensor

- A. The well sensor will employ float technology to detect the presence of water in the well..
- B. The groundwater sensor will utilize expandable polymer technology for sensing hydrocarbons on water.
- C. The sensor shall be equipped with a lockable, watertight cap.

3.3.6 Non-discriminating Sensor

- A. Sump sensor
 - 1. The sump sensor will utilize electro-optic technology to detect the presence of liquid and shall provide an alarm to notify the end user.

2. The sump sensor shall be designed with a twelve-foot cable to connect the sensor to field wiring in the sensor junction box. The sensor shall be equipped with watertight cord grip and splice kit to install in sensor junction box.
- B. Interstitial sensor for dry double-wall steel tank
 1. The interstitial sensor for a doublewall steel tank shall be designed to fit in a 2" drop tube.
 2. The interstitial sensor will be equipped with 20ft of cable.
 3. The sensor will utilize electro-optic technology to detect the presence of liquid and shall provide an alarm to notify the end user.
 4. Sensor will be supplied with cord grip and water tight installation splice kit.
- C. Interstitial sensor for dry fiberglass tanks
 1. The sensor shall be designed to fit into an interstitial monitor rib and be positioned at the bottom of the tank.
 2. The interstitial sensor will be equipped with 20ft of cable.
 3. The sensor will utilize electro-optic technology to detect the presence of liquid and shall provide an alarm to notify the end user.
 4. Sensor will be supplied with cord grip and watertight installation splice kit.

3.4 Communications

3.4.1 Fax / modem

- A. The Fax / modem will utilize the standard Hayes command set and be compatible with phone systems.
- B. The Fax / modem will have the capability to communicate directly with a computer.
- C. The Fax / modem will use standard RJ-11 jack.

3.4.2 RS-232 Serial Communications Interface

- A. The system will have the capability to communicate directly with a computer.
- B. The system will provide direct interface using standard RS-232 serial communications hand-shaking signals.
- C. The system will utilize nine pin D sub miniature connector

Part 4 Technical Support

4.1 Technical Support

- A. Manufacturer will technically support toll free field support number.
- B. A certification program will be offered.
- C. Supply installation documentation.

Part 5 Documentation

5.1 Manuals

- A. The manufacturer shall supply product documentation that addresses the following categories as additional support:
 1. Installation Instructions

2. System Setup instructions
3. System operating instructions
4. Probe installation instructions
5. Product data sheet
6. Wiring diagrams which include the following:
 - a. Identification of all devices and equipment terminals, and all external connection terminal blocks.
 - b. All external wiring connections with approved wire colors and circuit designations

5.2 Third-party Certification

- A. The manufacturer shall supply third-party documentation for all products certifying that performance meets or exceeds EPA requirements.

Part 6 Warranty

- A. The seller OMNTEC Mfg., Inc. warrants to buyer defects when properly installed, and maintained by user. The sellers sole obligation is to repair or replace parts found to be defective, or non-conforming for one year and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or, indirect damages incurred by user.

All standard tank gauging systems are free of defects when properly installed and maintained by user. Warranty on tank gauging systems will only be effective after proper documentation has been submitted by the buyer to OMNTEC Mfg., Inc. The sellers sole obligation is to repair or replace parts found to be defective, or non-conforming for one year and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or indirect damages incurred by user.

All standard replacement parts, "add-ons", or spare parts are free of defects when properly installed and maintained by user. The sellers sole obligation is to repair or replace parts found to be defective or non-conforming for 90 days and only after evaluation by factory. The liability of the seller shall not exceed the price paid for the components found to be defective. The above warranty is exclusive of all other warrantees whether implied or expressed. Seller assumes no obligation for special or indirect damages incurred by user.

Equipment not covered by this warranty includes, but is not limited to: MTG-F flexible magnetostrictive probes, custom equipment, pressure transducers, and control systems.

Typical Written Specification for LU-series

Provide a continuous leak and overflow detection system utilizing electro-optic technology.

Alarm Controller

Alarm console to be NEMA 4X with remote sensor test capability at console utilizing test button. When pressed the test button will test entire system electronics from control panel to sensor(s). Console to be UL listed to provide intrinsically safe output circuits to electro-optic sensors in Class I, Group D hazardous locations. Console to be OMNTEC Mfg., Inc., Ronkonkoma, NY model ELP21LU-series. Console must monitor both interstitial space and 90% high level in tank for presence of liquid. Each alarm condition to be visually indicated by a dedicated red L.E.D. indicator which is to remain lit until alarm condition is corrected. Each alarm condition to also be audibly annunciated via a 95-decibel piezoelectric pulsing horn which can be silenced via the horn silence button. Console shall also provide a green “system detecting” indicator. Each alarm to have N.O. dry contacts for control purposes, as well as low voltage outputs for NEMA 4X RA-series remote audio / visual alarm panel.

Remote alarm panel

Remote audio / visual NEMA 4X alarm panel is to be mounted by filling area outside hazardous area. Console to be OMNTEC Mfg., Inc., Ronkonkoma, NY model RA-series. Each high level alarm condition to be visually indicated by a dedicated red L.E.D. indicator which is to remain lit until alarm condition is corrected. Each alarm condition to also be audibly annunciated via a 95-decibel piezoelectric pulsing horn with auto time out.

Interstitial sensor and piping sump sensor

Interstitial and/or piping sump sensor to be OMNTEC model LS-ASC (for steel interstitial and/or piping sump) or LWF (for dry fiberglass interstitial). Sensor(s) to be self diagnostic with dry condition creating a normally closed light beam and an alarm condition opening (refracting) the normally closed light beam. Sensor(s) and console to be UL listed and third party tested as a system.

High level sensor

High level sensor to be OMNTEC L-1 series and be of proper length to alarm at 90% of tank capacity. Sensor(s) to be self diagnostic with dry condition creating a normally closed light beam and an alarm condition opening (refracting) the normally closed light beam. Sensor(s) and console to be UL listed and third party tested as a system.

Typical Written Specification for LPD-series

Provide a continuous leak and overflow detection system utilizing electro-optic technology.

Alarm Controller

Alarm console to be NEMA 4X with remote sensor test capability at console utilizing test button. When pressed the test button will test entire system electronics from control panel to the sensor(s). Console to be UL listed to provide intrinsically safe output circuits to electro-optic sensors in Class I, Group D hazardous locations. Console to be OMNTEC Mfg., Inc., Ronkonkoma, NY model ELP21LPD-series. Console must monitor interstitial space and/or piping sump and 90% high level in tank for presence of liquid. Each alarm condition to be visually indicated by a dedicated red L.E.D. indicator for fuel leak or high level or an amber L.E.D. indicator for water leak or low level which is to remain lit until alarm condition is corrected. Each alarm condition to also be audibly annunciated via a 95-decibel piezoelectric pulsing horn which can be silenced via the horn silence button. Console shall also provide a green "system detecting" indicator. Each alarm to have N.O. dry contacts for control purposes, as well as low voltage outputs for NEMA 4X RA-series remote audio / visual alarm panel.

Remote alarm panel

Remote audio / visual NEMA 4X alarm panel is to be mounted by filling area outside hazardous area. Console to be OMNTEC Mfg., Inc., Ronkonkoma, NY model RA-series. Each high level alarm condition to be visually indicated by a dedicated red L.E.D. indicator which is to remain lit until alarm condition is corrected. Each alarm condition to also be audibly annunciated via a 95-decibel piezoelectric pulsing horn with auto time out.

Interstitial sensor and piping sump sensor

Interstitial and/or piping sump sensor to be OMNTEC model PDS (for tank diameters under 6' with steel interstitial and/or piping sump) or PDW (PDWF for dry fiberglass interstitial, PDWS for steel interstitial) product distinguishing series. Sensor(s) to be self diagnostic with dry condition creating a normally closed light beam and an alarm condition opening (refracting) the normally closed light beam. Sensor(s) and console to be UL listed and third party tested as a system.

High level sensor

High level sensor to be OMNTEC L-1 series and be of proper length to alarm at 90% of tank capacity. Sensor(s) to be self diagnostic with dry condition creating a normally closed light beam and an alarm condition opening (refracting) the normally closed light beam. Sensor(s) and console to be UL listed and third party tested as a system.

OMNTEC



Effective July 1st, 2016
Document No. 900100 rev1626 Date: 6-30-2016

TANK GAUGING SYSTEMS PRICELIST



Shipping Terms:

F.O.B. Manufacturing Plant:
Ronkonkoma, New York

Freight invoiced to customer.
Seller's Routing

Minimum order - \$250.00

Payment terms:

Net 30 days upon credit approval.

Prices are in US dollars and shown as
manufacturer's suggested retail price.

Taxes not included.

Conditions of Sale

OMNTEC products are to be installed according to current
installation instructions of OMNTEC Mfg., Inc. Local
codes may also apply and must be consulted by buyer.
The proper handling, installation and care of these
products are the sole responsibility of the purchaser and
any loss or damage resulting from improper installation,
handling or care shall not be the responsibility of
OMNTEC Mfg., Inc.

**All orders are subject to the TERMS AND
CONDITIONS AS STATED BY OMNTEC MFG., INC.**

All quantitative statements are approximates.

Prices subject to change without notice.

OMNTEC Mfg. Inc.
1993 Pond Road, Ronkonkoma, NY 11779
Phone (631) 981-2001 Fax (631) 981-2007
www.omntec.com

CONTROLLER		
Controller with 4-line by 40-character display, (4) RS-232 ports, and (1) RS-485 port. Accepts up to 8 MTG Series magnetostrictive probes and 44 BX Series leak sensors.	OEL8000II	<i>consult factory</i>
Controller with printer, 4-line by 40-character display, (4) RS-232 ports, and (1) RS-485 port. Accepts up to 8 MTG Series magnetostrictive probes and 44 BX Series leak sensors.	OEL8000IIP	<i>consult factory</i>
PROTEUS® Series		
PROTEUS-B controller with 7" color touch screen and (1) RS-232 port. Accepts up to 4 MTG Series magnetostrictive probes and 16 BX Series leak sensors.	OEL8000IIIB4	\$1,957
PROTEUS-K controller with 7" color touch screen, (1) RS-232 port, and Ethernet. Accepts up to 4 MTG Series magnetostrictive probes and 16 BX Series leak sensors.	OEL8000IIIK4	\$2,694
PROTEUS-K controller with 7" color touch screen, printer, (1) RS-232 port, and Ethernet. Accepts up to 4 MTG Series magnetostrictive probes and 16 BX Series leak sensors.	OEL8000IIIK4P	\$3,355
PROTEUS-X controller with 7" color touch screen, printer, (2) RS-232 ports, and Ethernet. Capable of accepting up to 16 MTG Series magnetostrictive probes and 64 BX Series leak sensors. (Comes standard with (1) XB-416 module accepting up to 4 MTG Series magnetostrictive probes and 16 BX Series leak sensors.)	OEL8000IIIXP	\$4,944
PROTEUS-X Interface Boards		
4 probe and 16 leak sensor module for PROTEUS-X controller	XB-416	\$705
8 channel relay board for PROTEUS-X controller	XB-RB8	\$648
MAGNETOSTRICTIVE PROBES		
Magnetostrictive gauging probe with stainless steel shaft for most hydrocarbons and liquids. *Must specify tank diameter and content. Includes: MTG up to 12', installation kit, product and water floats, splice kit, 4 inch NPT riser cap, and cable clamp assembly. Available in standard and custom lengths up to 24 feet, consult factory for pricing.	**MTG-*	\$1,553
Magnetostrictive gauging probe up to 12' for inventory only. Includes same as above. Available in standard and custom lengths.	**MTG-V-*	\$1,305
Single temperature magnetostrictive gauging probe up to 96" overall length with flexible shaft for most hydrocarbons and chemicals. Overall lengths available up to 70'. Material of construction – Kynar®. Does NOT include floats or weight. Flex probes are also available with 5 temperature sensing points.	**MTG-F-R1-*	\$1,852
4-20 milliamp magnetostrictive gauging probe up to 96". Consult factory for lengths above 96". Does not include float.	**MTG-420-*	\$1,815



**Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.



INTERSTITIAL SPACE, CONTAINMENT SUMP, & DISPENSER PAN SENSORS

Product distinguishing sensor for monitoring the dry interstice of double-wall fiberglass tanks. Please select the appropriate part number based on the tanks diameter in feet and specify tank manufacturer.	BX-PDWF-4 BX-PDWF-6 BX-PDWF-8 BX-PDWF-10	\$386
Non product distinguishing sensor for monitoring the dry interstice of double-wall fiberglass tanks. Please select the appropriate part number based on the tanks diameter in feet and specify tank manufacturer.	BX-LWF-4 BX-LWF-6 BX-LWF-8 BX-LWF-10	\$263
Product distinguishing sensor for monitoring the dry interstice of double-wall steel tanks. Comes with 25' of cable.	BX-PDWS	\$330
Non product distinguishing sensor for monitoring the dry interstice of double-wall steel tanks. Comes with 25' of cable.	BX-LWS	\$287
Non product distinguishing sensor constructed of PVC for monitoring the dry interstice of double-wall steel tanks. Comes with 25' of cable.	BX-LWS-PVC	\$406
Non product distinguishing sensor constructed of stainless steel for monitoring the dry interstice of double-wall steel tanks. Comes with 25' of cable.	BX-LWS-SS	\$436
Non product distinguishing sensor, 0.895" in diameter, for monitoring the dry interstice of double-wall steel tanks. Comes with 25' of cable.	BX-LWS-.895	\$591
Non product distinguishing sensor for monitoring level changes in the reservoir of brine-filled, double-wall fiberglass tanks.	BX-RES	\$386
Non product distinguishing sensor for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-LS	\$256
Non product distinguishing sensor constructed of PVC for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-LS-PVC	\$406
Non product distinguishing sensor constructed of stainless steel for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-LS-SS	\$406
Non product distinguishing sensor, 1.25" in diameter, for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-LS-1.25	\$449
Non product distinguishing sensor, 0.895" in diameter, for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-LS-.895	\$467
Non product distinguishing sensor for floor containment area. Comes with 12' of cable.	BX-LS-FL	\$406
Product distinguishing sensor for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-PDS	\$312
Product distinguishing sensor, 0.895" in diameter, for monitoring containment sumps, dispenser pans, interstice of steel tanks and other containment areas. Comes with 12' of cable.	BX-PDS-.895	\$560
Product distinguishing sensor for floor containment area. Comes with 12' of cable.	BX-PDS-FL	\$436
<i>Sensors for nonstandard monitoring ports & chemical applications requiring different materials of construction also available.</i>		

SINGLE POINT BX SERIES OPTIC SENSOR

12 inch hi level optic sensor	BX-L12	\$220
20 inch hi level optic sensor	BX-L20	\$281
Customer specified length hi level optic sensor up to 96"	**BX-LV	\$436

**SINGLE POINT BX SERIES FLOAT SENSOR**

12" hi level float sensor with brass stem and Buna N floats	BX-LF-1-12	\$373
Customer specified length hi level float sensor, with brass stem and Buna N floats up to 72"	**BX-LF-1-D	\$966
12" hi level float sensor with stainless steel stem and floats	BX-LF-1-SS-12	\$497
20" hi level float sensor with stainless steel stem and float	BX-LF-1-SS-20	\$497
Customer specified length hi level float sensor, with SS stem and floats up to 72"	**BX-LF-1-SS-D	\$1,194

**MISCELLANEOUS SENSORS**

Sensor for monitoring hydrocarbon vapors	BX-VS	\$467
Temperature Sensor (ie. refrigeration, room temperature, compressors)	BX-TC1	\$312
Monitoring Well Sensor up to 25'. If well is wet must order additional BX-UT for low water alarm.	BX-PDWL	\$987

OIL WATER SEPARATOR SENSORS

Single point oil/water interface sensor for high oil level used in oil/water separators. Available in standard and custom lengths.	**BX-OWI-1	\$380
Two point oil/water interface sensor for high and caution oil level used in oil/water separators. Available in standard and custom lengths.	**BX-OWI-2	\$511



**CABLE-PVC Jacketed, UL-listed, #22AWG with shield and drain**

500' spool of 2 conductor cable for use with MTG-probe	EC-2	\$209 per spool
1000' spool of 4 conductor cable for use with sensors	EC-4	\$486 per spool
1000' spool of 6 conductor cable	EC-6	\$746 per spool

OEL8000II COMMUNICATION OPTIONS

Interface board-relay card with (4) 5amp SPDT relays - 6 card max per system	IB-RB-2	\$219
Interface board required for the RAS hi level audio/visual remote annunciator. Accepts multiple remotes.	IB-RAS	\$219
Interface board - 12 VDC Low voltage output board for remote annunciators triggered by all alarms.	IB-12V	\$225
4-20mA output board for up to 4 tanks	IB-C420-4	\$654
Interface board - Ethernet/network communication	IB-NET-3	\$746
MODBUS RTU upgrade	MODBUS	\$746
Fax/Modem - 14,400 baud for OEL8000II controller	MDR-2	\$436
External RS-232 to BACnet/IP converter	C232-BAC	\$1,885
Windows 2000/NT/XP/ME/7/8 compatible tank monitoring communication software	OMN-PC	\$621
Wireless cellular data modem. -* denotes type of cellular service. Cellular activation and service not included.	WCDM-*	\$1,008
Voice auto dialer for up to (2) alarm conditions and (4) phone numbers per alarm.	AD-8-1	\$455

**Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.

PROTEUS® Series COMMUNICATION OPTIONS		
MODBUS RTU upgrade	MODBUS	\$746
(2) channel external RS-232 to 4-20 ma converter with (4) SPST 1 amp relay outputs housed in steel enclosure for PROTEUS® Series controllers	X232-420-2	\$808
(6) channel external RS-232 to 4-20 ma converter with (4) SPST 1 amp relay outputs housed in steel enclosure for PROTEUS® Series controllers	X232-420-6	\$1,188
Modem - 14,400 baud for OEL8000III controller	MDR-3	\$449
External RS-232 to BACnet/IP converter	C232-BAC	\$1,885
Windows 2000/NT/XP/ME/7/8 compatible tank monitoring communication software	OMN-PC	\$621
8 channel relay board for PROTEUS-X controller	XB-RB8	\$648
Wireless cellular data modem. -* denotes type of cellular service. Cellular activation and service not included.	WCDM-*	\$1,008
RS-485 board for PROTEUS-K system	DB-485	\$226
External relay box for use with OEL8000IIIK controllers.	XC-R8	\$722
Voice auto dialer for up to (2) alarm conditions and (4) phone numbers per alarm.	AD-8-1	\$455
REMOTE OVERFILL ANNUNCIATORS		
 <p>Low voltage high level remote audio/visual annunciator with acknowledge switch/test switch (test feature available when used with OEL8000II firmware version 5.55 or greater). For use with OEL8000II, K-OEL8000II Kits, and OEL8000IIIK & X controllers. Part # denotes the number of tanks. Note: IB-RAS is required when using RAS-series remotes.</p>	RAS-1	\$257
	RAS-2	\$288
	RAS-3	\$321
	RAS-4	\$378
 <p>Low voltage high level remote audio/visual annunciator with acknowledge switch/test switch (test feature available when used with OEL8000II firmware version 5.55 or greater). For use with OEL8000II, K-OEL8000II Kits, and OEL8000IIIK & X controllers. NYS model has high intensity strobe and high-decibel horn. Note: IB-RAS is required when using RAS series remotes.</p>	RAS-1-NYS	\$373
18" x 24" Yellow aluminum fill alarm sign with black 2" print	OFAS-AL	\$282
REMOTE DISPLAYS		
Remote LED display for level indication. NEMA 4X enclosure. Number of tanks is denoted in the part number.	RD625-1	\$1,181
	RD625-2	\$2,172
	RD625-3	\$3,537
	RD625-4	\$4,714
PROTEUS® Mini-Me™ universal remote ATG monitor with 7" color touch screen display for audio/visual alarms and current inventory	RD7CTS	\$1,071
PROTEUS® Mini-Me™ RS-485 version remote ATG monitor with 7" color touchscreen display for audio/visual alarms and current inventory for distances up to 3000 feet (for use with PROTEUS-K or PROTEUS-X controllers only)	RD7CTS-485	\$1,772
PROTEUS® Mini-Me™ Accessories		
Power cord kit for use with PROTEUS® remote displays	RD-PCK	\$94
75 feet RS232 cable for use with RD7CTS remote display	RD-232C-75	\$91
RS-232-422 Booster Kit to increase distance of RS-232 output 3,000 feet for use with RD7CTS remote display (Includes 2 converters and 2 power transformers)	C232-422-RD7CTS	\$929
Wireless RS-232 link includes both tank gauge and remote transceivers	WRS-232	\$1,006
Wireless RS-232 repeater for extending WRS-232 wireless reach	WRS-232R	\$769
Nema 4X enclosure for RD7CTS (requires HTR-1 heater and TEM-CS thermostat if being mounted outdoors)	ENC-4X-RD7	\$639

PORTABLE SUMP TESTER KITS

Three sump containment leak detection kit including portable suitcase, OEL8000II with printer, quick connect box, three MTG probes with one 2" SS float per probe.	CLD3	\$10,232
Four sump containment leak detection kit including portable suitcase, OEL8000II with printer, quick connect box, four MTG probes with one 2" SS float per probe.	CLD4	\$11,224

ACCESSORIES

2" Cap for MTG probes and sensors	2IN-CAP	\$47
4" Cap for MTG probes and sensors	4IN-CAP	\$59
Single Buna N product float, 3.85" diameter	BNF-1-4	\$89
Dual Buna N product/water floats 3.85" diameter	BNF-4	\$173
Universal translator for dry contact inputs from non-BX sensors	BX-UT	\$188
RS-232 Booster Kit to increase distance of RS-232 output	C232-422	\$621
Continuous In Tank Leak Detection software for OEL8000II & K-OEL8000II	CITLD CODE	\$1,077
Continuous In Tank Leak Detection software for PROTEUS ® Series	CITLD CODE-P	\$1,077
Case of thermal printer paper <i>(Includes (24) Three packs)</i>	DPU-C	\$269
NEMA 4X enclosure for OEL8000II, OEL8000IIK, and OEL8000IIIX <i>(may require HTR-1 heater and TEM-CS thermostat if mounting controller outdoors)</i>	ENC-4X	\$621
2" Hastelloy float for chemical applications	FLT-H-2	\$1,209
Heater for OEL8000II NEMA 4X enclosure	HTR-1	\$373
MTG magnetic shield for magnetized riser applications	MAGSHIELD	\$249
36 character thermal printer for OEL8000II	PS-102	\$938
PS-102 core charge. Credit to be issued when PS-102 in field is returned.	PS-102-CORE	\$420
32 character thermal printer for PROTEUS-K	PS-103	\$663
Stainless steel float spacer <i>(for dual float probes with overall length greater than 288")</i>	SFS	\$40
Silicone splice kit for sensors and MTG probes	SK-4	\$28
Stainless steel swage lock <i>(probe head isolation for chemical and #6 oil applications)</i>	SL-34	\$95
120 VAC surge protector	SP-2	\$299
Single 316 stainless steel product float, 1.83" diameter	SSF-1-2	\$129
2" stainless steel product float for low product detection applications	SSF-1-2-VB	\$194
2" stainless steel water float for low water detection applications	SSF-1-2W-VB	\$194
Single 316 stainless steel product float, 3.85" diameter	SSF-1-4	\$184
Dual 316 stainless steel product/water float, 1.83" diameter	SSF-2	\$257
Dual 316 stainless steel product float, 3.85" diameter	SSF-4	\$365
Thermostat for the OEL8000II NEMA 4X enclosure	TEM-CS	\$188
4" vented cap for brine filled reservoirs	VC-1	\$125

Note: The K-OEL8000II console is capable of accepting: (8) BX-Series Sensors, (2) Interface Boards, and (1) Fax/Modem. For additional equipment see the probe, sensor, and accessories section of this pricelist.

***MTG Probe length up to 12 feet. For additional lengths consult factory.*

OMNTEC



Effective July 1st, 2016
Document No. 900101 rev1615 Date: 4-14-2016

LEAK AND LEVEL DETECTION PRICELIST



SHIPPING TERMS

F.O.B. Manufacturing Plant:
Ronkonkoma, New York

Freight invoiced to customer.
Seller's Routing

Minimum order - \$250.00

Payment terms:

Net 30 days upon credit approval.

Prices are in US dollars and shown as
Manufacturer's suggested retail price.

Taxes not included.

CONDITIONS OF SALE

OMNTEC products are to be installed according to current installation instructions of OMNTEC Mfg., Inc. Local codes may also apply and must be consulted by buyer. The proper handling, installation and care of these products are the sole responsibility of the purchaser and any loss or damage resulting from improper installation, handling or care shall not be the responsibility of OMNTEC Mfg., Inc.

All orders are subject to the TERMS AND CONDITIONS AS STATED BY OMNTEC MFG., INC.

All quantitative statements are approximates.

Prices subject to change without notice.

OMNTEC Mfg. Inc.
1993 Pond Road
Ronkonkoma, NY 11779
Phone (631) 981-2001 Fax (631) 981-2007
www.omntec.com

LU SERIES CONTROLLERS (Non Product Distinguishing)

Single channel liquid sensing audio/visual controller capable of accepting up to one single point optic sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). One normally open relay. Test push button and Acknowledge push button switches are standard. Type 4X enclosure is standard.

LU1

\$627



Two channel liquid sensing audio/visual controller capable of accepting up to two single point optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays. Test push button and Acknowledge push button switches are standard. Type 4X enclosure standard.

LU2

\$761



Three channel liquid sensing audio/visual controller capable of accepting up to three single point optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Three normally open relays. Test push button and Acknowledge push button switches are standard. Type 4X enclosure standard.

LU3

\$1,086



Four channel liquid sensing audio/visual controller capable of accepting up to four single point optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays. Test push button and acknowledge push button switches are standard type. Type 4X enclosure standard.

LU4

\$1,214



Six channel liquid sensing audio/visual controller capable of accepting up to six single point optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). One normally open relay. Test push button and Acknowledge push button switches are standard. Type 4x enclosure standard.

LU6

\$1,436



Nine channel liquid sensing audio/visual controller capable of accepting up to nine single point optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Test push button and Acknowledge push button switches are standard. Type 4X enclosure standard.

LU9

\$1,722

NON PRODUCT DISTINGUISHING SENSORS for LU Series Controllers

Sensor for monitoring containment sumps, dispenser pans, the interstice of double wall steel tanks, and other containment areas.

LS-ASC

\$238



Sensor for monitoring the interstice of double wall fiberglass tanks.
*Please select the appropriate part number based on the tanks diameter in feet and specify tank manufacturer.

LWF-*









\$257



Sensor for monitoring the interstice of double wall steel tanks. Comes with 25' of cable.

LWS

\$294

	LPD SERIES CONTROLLERS (Product Distinguishing)		
	Three channel product distinguishing audio/visual controller capable of accepting any combination of up to three L-Series or three PD-Series sensors. Low voltage outputs standard for RA-Series remote audio/visual annunciation. Comes standard with three normally open relays. Test push button and Acknowledge push button switches, type 4X enclosure standard.	L1PD2	\$1,915
	Six channel product distinguishing audio/visual controller capable of accepting any combination of up to six L-Series or six PD-series sensors. Low voltage outputs standard for RA-Series remote audio/visual annunciation. Comes standard with two normally open relays. Test push button and Acknowledge push button switches, type 4X enclosure standard.	L2PD4	\$2,107
	Nine channel product distinguishing audio/visual controller capable of accepting any combination of up to nine L-Series sensors or nine PD series sensors. Low voltage outputs standard for RA-Series remote audio/visual annunciation. Comes standard with three normally open relays. Test push button and Acknowledge push button switches, type 4X enclosure standard.	L3PD6	\$2,329
	PRODUCT DISTINGUISHING SENSORS for LPD Series Controllers		
	Product distinguishing sensor for monitoring the interstice of double wall fiberglass tanks. *Please select the appropriate part number based on the tanks diameter in feet and specify tank manufacturer.	PDWF-*	\$339
	Product distinguishing sensor for monitoring the interstice of double wall steel tanks. Comes with 25' of cable.	PDWS	\$339
	Product distinguishing sensor for monitoring containment sumps, dispenser pans, the interstice of double wall steel tanks, and other containment areas.	PDS	\$288
	Sensor for brine filled reservoir of double wall fiberglass tank.	L-R-1	\$415
	LEVEL SENSORS for LPD and LU Series Controllers		
	Hi level optic sensors. Mounts via 2" NPT at top of tank. Consult factory for custom length sensors greater than 72". Standard sensor examples:		
	L-1-S (12 inch sensor) L-1-L (20 inch sensor) L-1-D (Variable length sensor, "D" must be specified by user, up to 72")	L-1-S L-1-L **L-1-D	\$226 \$288 \$448
	Two point liquid level sensor. Mounts via 2" NPT at top of tank. For use in High/Caution level applications when used with LU-series controller. "A" denotes high level dimension and "B" denotes caution level dimension. Also for use in High/Low level applications when used with LU-SP controllers. Dimensions must be specified by user.	**L-2-S up to & incl. 36"	\$481
		**L-2-L above 36" up to 72"	\$512
	L-3-L Three point optic sensor up to 72"	**L-3-L	\$639
	L-4-L Four point optic level sensor.	**L-4-L	\$869

**Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.

BATTERY BACK-UP CONTROLLERS

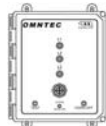
LU and LPD audio/visual controller in NEMA 4X enclosure with battery back-up capability. Certain remote output functions are changed in some models to accommodate this feature. All SP7 controllers require a BB5OAH to allow systems to operate during power outages.

Single channel controller to accept up to (1) non distinguishing optic sensor.	LU1-SP7	\$864
Two channel controller to accept up to (2) non distinguishing optic sensors.	LU2-SP7	\$1,054
Three channel controller to accept up to (3) non distinguishing optic sensors.	LU3-SP7	\$1,385
Four channel controller to accept up to (4) non distinguishing optic sensors.	LU4-SP7	\$1,678
Battery back-up enclosure used with SP7 controllers.	BB5OAH	\$353
LU-SP7 series controllers utilize same sensors as standard LU series controllers		
Solar powered battery backed controllers are also available for applications where supply voltage is not present.	SLR-PS (solar panel)	\$384
Battery charge controller for solar panel to prevent overcharging of battery	SLR-BCC	\$512

OIL WATER SEPARATOR CONTROLLERS

Single channel high oil level audio/visual controller capable of accepting one single point OWI-1 sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). One normally open relay, test push button, acknowledge push button and type 4X enclosure standard.	LU1-OW	\$634
Two channel high level audio/visual controller capable of accepting up to two single point OWI-1 sensors or one OWI-2 sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays, test push button, acknowledge push button and type 4X enclosure standard.	LU2-OW	\$766
Two channel (high oil level with pump out capability) audio/visual controller capable of accepting one OWP-2 sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays, test push button, acknowledge push button and type 4X enclosure standard.	LU2-OWP	\$894
Two channel (combination leak sensing/high oil level) audio/visual controller capable of accepting one OWI-1 sensor and one leak sensor. Low voltage outputs standard for RA-Series remote audio/visual annunciator(s). Three normally open relays, test push button, acknowledge push button and type 4X enclosure standard.	LU2-OWIR	\$1,118
Three channel (combination leak sensing/high oil level) audio/visual controller capable of accepting one OWI-2 sensor and one leak sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Three normally open relays, test push button, acknowledge push button and type 4X enclosure standard.	LU3-OWIR	\$1,245
Three channel (combination leak sensing/high oil level) audio/visual controller capable of accepting one OWP-2 sensor and one leak sensor. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Three normally open relays, test push button, acknowledge push button and type 4X enclosure standard.	LU3-OWPR	\$1,277





LU-OW SENSORS

Single point oil/water interface sensor for hi oil level used in oil/water separators. Available in standard and custom lengths.	**OWI-1	\$378
Two point oil/water interface sensor for hi and caution oil level used in oil/water separators. Available in standard and custom lengths.	**OWI-2	\$481
Two point sensor with one oil/water interface float and one liquid level float for hi oil and low liquid level used in oil/water separators. Can be used in pump out applications. Available in standard and custom lengths.	**OWP-2	\$481

REMOTE ANNUNCIATORS

Low voltage remote high level audio/visual annunciator in NEMA 4X enclosure. Dash number denotes number of tanks. (RA-1 means one tank, one light, etc.)	RA-1	\$181
	RA-2	\$199
	RA-3	\$219
	RA-4	\$238
Low voltage remote high level audio/visual annunciator. NYS model has high-intensity strobe and high decibel horn.	RA-1-NYS	\$353
18" x 24" yellow aluminum fill alarm sign with black 2" print	OFAS-AL	\$282

UNIVERSAL REMOTE ANNUNCIATORS

Single channel audio visual remote annunciator in NEMA 4X enclosure with one red LED light, acknowledgement switch, test switch, and system detect light. Powered by 120VAC and triggered via normally open dry contact. (can be used with non-OMNTEC controllers)	RA-LU1	\$627
Two channel audio visual remote annunciator in NEMA 4X enclosure with (2) red LED lights, acknowledgement switch, test switch, and system detect light. Powered by 120VAC and triggered via normally open dry contact. (can be used with non-OMNTEC controllers)	RA-LU2	\$761
Three channel audio visual remote annunciator in NEMA 4X enclosure with (3) red LED lights, acknowledgement switch, test switch, and system detect light. Powered by 120VAC and triggered via normally open dry contact. (can be used with non-OMNTEC controllers)	RA-LU3	\$1,086
Four channel audio visual remote annunciator in NEMA 4X enclosure with (4) red LED lights, acknowledgement switch, test switch, and system detect light. Powered by 120VAC and triggered via normally open dry contact. (can be used with non-OMNTEC controllers)	RA-LU4	\$1,214

LU-LF CONTROLLERS

Controller in NEMA 4X enclosure with system detect light, horn and acknowledge switch compatible with LF series normally closed high level float sensors. Number denotes amount of lights (ie. LU1-LF comes with one light, LU2-LF comes with two lights, etc.)	LU1-LF	\$634
	LU2-LF	\$766
	LU3-LF	\$1,118
	LU4-LF	\$1,245

61LU1 CONTROLLERS

Audio/visual conductivity controller capable of accepting one conductivity sensor input. Type 4X enclosure standard. Number denotes amount of lights (ie. 61LU1 comes with one light, 61LU2 comes with two lights, etc.)	61LU1	\$634
	61LU2	\$766
	61LU3	\$1,118
	61LU4	\$1,245

61 SERIES CONDUCTIVITY SENSORS (for conductive liquids such as leachate and caustic soda)

Single point stainless steel conductivity high level sensor. 12" and 20" standard lengths. Custom lengths also available.	**61O-SS	\$429
Two point stainless steel conductivity high/caution level sensor. Alarm points to be specified by user.	**61OL	\$644
Stainless steel conductivity sump sensor.	61S-SS	\$378
Stainless steel conductivity sensor for the dry interstice of a double wall steel tank. Comes with 25' of cable.	61WS-SS	\$415
Conductivity sensor for the dry interstice of a double wall fiberglass tank. Tank diameter must be specified.	61WF-SS	\$481

**Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.



LU-SP CONTROLLERS

Single channel audio/visual controller capable of accepting (1) L-1-D low level optic sensor. Low voltage output for optional RA series remote annunciator, one 1.25 amp normally open dry contact, test push button, acknowledgement switch, and system defect light.	LU1-SP1	\$634
Two channel liquid sensing audio/visual controller capable of accepting one L-R-1 or L-2 series sensor for high /low operation. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays. Test push button and acknowledge push button switches, type 4X enclosure standard.	LU2-SP1	\$766
Three channel liquid sensing audio/visual controller capable of accepting one L-R-1 or one L-2 -series sensor for high / low operation and one non-distinguishing optic sensor. Low voltage outputs standard for optional RA-series remote audio/visual annunciator(s). Three normally open relays. Test push button switches, type 4x enclosure standard.	LU3-SP1	\$1,118
Four channel liquid sensing audio/visual controller capable of accepting one L-R-1 or one L-2 series sensor for high / low operation and two non-distinguishing optic sensors. Low voltage outputs standard for optional RA-Series remote audio/visual annunciator(s). Two normally open relays. Test push button and acknowledge push button switches, type 4x enclosure standard.	LU4-SP1	\$1,245
Six channel liquid sensing audio/visual controller capable of accepting one L-R-1 or one L-2 series sensor for high/low operation and four L-series sensors. Low voltage outputs standard for optional RA-series remote audio/visual annunciator(s). One normally open relay. Test push button and acknowledge push button switches, type 4X enclosure standard.	LU6-SP1	\$1,532
Pump/Valve controls: Available for duplex, alternating and lead lag pumps. Panels may include relay contacts for pump control and remote annunciation, disconnect switches, pump failure and running indicators, tank selector switches, hands off auto switches, motor starters, local alarm horn and lights. Please consult factory for pricing information.		

REMOTE RELAYS

Relay(s)-SPDT dry contact(s), rated at 120vac, 5 amps resistive. Relay(s) housed in a NEMA 4X enclosure. Last number denotes number of relays. Interfaces with LU and LPD low voltage remote outputs.	RLY-RA-1	\$194
	RLY-RA-2	\$225
	RLY-RA-3	\$321
	RLY-RA-4	\$384
	RLY-RA-6	\$512

ACCESSORIES

Vented 4" riser cap for use with brine filled interstice.	VC-1	\$125
Silicone splice kit for sensors and MTG probes.	SK-4	\$28
4" Cap for Sensors	4IN-CAP	\$59
2" Cap for Sensors	2IN-CAP	\$47
Universal junction box kit for probes and sensors	U-JBK-1	\$97
Voice auto dialer for up to (2) alarm conditions and (4) phone numbers per alarm.	AD-8-1	\$455
Cable: (Minimum order 1000') Four conductor # 22 AWG with shield and drain. PVC jacketed UL- E11717.	EC-4	\$486 per spool
Twelve conductor # 22 AWG with shield and drain. PVC jacketed UL-E11717.	EC-12	\$779 per spool

OTHER SENSORS		
Battery operated high level. Includes (1) L-1-S or (1) L-1-L sensor.	BOA	\$563
PVC hi level optic sensor. Used in chemical applications.	L-1-PVC	\$415
Single point float sensor up to 12" with brass stem, BUNA N float, and 1/2" NPT. Comes standard in 12" lengths. Custom lengths are available, consult factory.	**LF-1	\$290
Single point float sensor up to 72" with brass stem, BUNA N float, and 2" NPT.	**LF-1-D (up to 72")	\$746
12" hi level float sensor with stainless steel stem and floats.	LF-1-SS-12	\$415
20" hi level float sensor with stainless steel stem and floats.	LF-1-SS-20	\$415
Customer specified length hi level float sensor with stainless steel stem and floats up to 72".	**LF-1-SS-D	\$1,016
Float sensor for double wall fiberglass tanks.	LF-DWF	\$276
1.25" non distinguishing leak sensor. Designed to detect liquid in sumps or containment areas, & interstitial space for steel double wall tanks. Additional materials of construction & compounds available.	LS-ASC-1.25	\$384
.895" non-distinguishing sensor for leak detection in small areas.	LS-ASC-.895	\$415
PVC sensor for leak detection. Used in chemical applications. Designed to detect liquid in sumps or containment areas, and interstitial space for steel double wall tanks. Additional materials of construction and compounds available.	LS-ASC-PVC	\$415
Stainless steel sensor for leak detection. Used in chemical applications. Designed to detect liquid in sumps or containment areas, and interstitial space for steel double wall tanks. Additional materials of construction and compounds available.	LS-ASC-SS	\$415
Non distinguishing floor containment sensor.	LS-ASC-FL	\$416
Universal sump float sensor. Designed to detect liquids in piping and dispenser sumps. Interfaces with most control panels. (consult factory for compatible controllers)	LSF	\$353
Single point ball float sensor with weight for liquid/sediment containment areas and tanks	OWI-BF-1	\$173
1.25" product distinguishing leak sensor. Designed to detect liquid in sumps or containment areas, & interstitial space for steel double wall tanks. Additional materials of construction & compounds available.	PDS-1.25	\$448
.895" product distinguishing sensor for leak detection in small areas.	PDS-.895	\$481
PVC product distinguishing sensor for leak detection used in chemical applications. Designed to detect liquid in sumps or containment areas, and interstitial space for double wall steel tanks. Additional materials of construction and compounds available.	PDS-PVC	\$448
Product distinguishing stainless steel sensor for leak detection. Used in chemical applications. Designed to detect liquid in sumps or containment areas, and interstitial space for steel double wall tanks. Additional materials of construction and compounds available.	PDS-SS	\$449
Product distinguishing floor containment sensor.	PDS-FL	\$448
Monitoring well sensor. (consult factory for compatible controllers)	PDWL	\$939
PVDF, 4-20 mA ultrasonic level probe up to 20' with 2" NPT, manual and hand programmer tool.	US-1-PLU	\$2,925
Sensor for monitoring hydrocarbon vapors. (consult factory for compatible controllers)	VS-1	\$415
Battery operated brine sensor. Includes (1) L-R-1 sensor.	XBR	\$1,277
Battery operated dry interstitial sensor. Includes (1) LS-ASC or LWF-* sensor.	XBR-D	\$1,277



Spare Parts Pricelist

July 2016

LU & LPD Spare Parts	Part No.	Price
Red Light and assembly	RD-LED	\$19
Amber Light and assembly	AM-LED	\$19
Acknowledgement switch only	ACK Switch	\$17
Boot only for acknowledgement switch	ACK boot	\$12
Power Supply (Must Specify for which controller in description when ordering)	Power Supply	\$119
Option board (Must Specify for which controller in description when ordering)	Option Board	\$160
Horn Board (Must Specify for which controller in description when ordering)	HRN-2	\$181
Two pack of 95 decibel horns	HRN-95-2PK	\$40
Surge Protector	SP-2	\$299
Surge Protector for LU series sensors in Diesel applications	LP-1D	\$512
Surge Protector for LU series sensors in Gasoline applications	LP-1G	\$608
Surge Protector for PD series sensors in Diesel applications	LPD-1D	\$512
Surge Protector for PD series sensors in Gasoline applications	LPD-1G	\$608
Labels for LU and LPD	Labels	\$11
.75" X .25" cord grip for sensors	CG-75X25	\$19
Test switch for LU and LPD controllers (includes boot)	TEST SWITCH	\$26
Back plate for L1PD2. All boards and power supply included on panel.	BACKPLATE-L1PD2	\$955
Back plate for L2PD4. All boards and power supply included on panel.	BACKPLATE-L2PD4	\$1,132
Back plate for L3PD6. All boards and power supply included on panel.	BACKPLATE-L3PD6	\$1,463
Back plate for LU1. All boards and power supply included on panel.	BACKPLATE-LU1	\$341
Back plate for LU2. All boards and power supply included on panel.	BACKPLATE-LU2	\$428
Back plate for LU3. All boards and power supply included on panel.	BACKPLATE-LU3	\$567
Back plate for LU4. All boards and power supply included on panel.	BACKPLATE-LU4	\$684
Back plate for LU6. All boards and power supply included on panel.	BACKPLATE-LU6	\$769
Back plate for LU9. All boards and power supply included on panel.	BACKPLATE-LU9	\$977
Relay module	RLY-RA-SPARE	\$97
Fuse - 3/4A	FUSE	\$8
Zener barrier for LU1, LU2, and LU3 controllers	LU1-LU3 ZENER	\$122
Zener barrier for LU4 and LU6 controllers	LU4-LU6 ZENER	\$136
Zener barrier for L1PD2, L2PD4, and L2PD6 controllers	PD ZENER	\$196
Quick release latch kit, includes (2) latches	HOF-A-L48	\$47
Mounting tabs for LU and LPD controllers, set of (4)	MOUNTING TABS	\$47
OEL8000II Spare Parts List	Part No.	Price
Main motherboard for OEL8000II	MB-8T44LS	\$1,021
4X40 character LCD display for OEL8000II	440-DSP	\$110
New front door with thermal printer for OEL8000II (with cables & LCD display)	PS-102	\$938
PS-102 core charge. Credit to be issued when PS-102 in field is returned.	PS-102-CORE	\$400
Case of thermal paper for PS-101, PS-102, or PS-103 (includes (24) 3 packs of paper)	DPU-C	\$269
8 Pin Connector for MTG probes	8P-MTGC-OEL8000II	\$11
4 Pin connector for sensors	4P-SC-OEL8000II	\$9
Power supply for OEL8000II	PS-5060HZ-OELII	\$333
Keys for OEL8000II (Set of two)	Keys-OELII	\$20
New front door assembly with keypad and no printer (with cables & LCD display)	PS-102-NP	\$659
85 Decibel horn for OEL8000II	OELSP1	\$21
White Ribbon Cable from motherboard to front panel (pair)	OELSP3	\$21
Cable from power supply to motherboard	OELSP4	\$21



Spare Parts Pricelist

July 2016

OEL8000II Spare Parts List (continued)			Part No.	Price
Red, Black orange, and Green cable assembly from motherboard to front panel	OELSP5			\$28
Front Panel board (No Printer)	OELSP6			\$56
Cable for RS-232 Com3 port (Female)	OELSP7			\$25
Cable for RS-232 Com2 port (Male)	OELSP8			\$25
2 pack of batteries for OEL8000II motherboard	OELSP9			\$19
Power connector bracket/on off switch	OELSP10			\$42
AC Power connector	OELSP11			\$7
Gray 12 pin connector for IB-RB-2	OELSP12			\$11
Green 12 pin connector for IB-RAS	OELSP13			\$11
Gray ribbon cable from front panel to LCD	OELSP16			\$21
Half duplex RS-485 cable for Modbus	OELSP19			\$87
Printer engine for PS-102	OELSP21			\$341
OEL test probe. Includes float kit with 2" SS floats, 6' yellow cable, spacer brackets, cathodic boot, white clips, and 8 position connector.	OELSP22			\$520
Keypad overlay for OEL8000II (No printer)	OVERLAY-OELII			\$160
Keypad overlay for OEL8000II with cutout for printer	OVERLAY-C-OELII			\$160
Surge Protector for OEL8000II controller	SP-2			\$299
Uninterruptible Power supply with 2.4 minute run time at full load, 13.9 minutes at half load, 120V 50/60 HZ	UPS-OELII			\$704
Keylock Assembly	Keylock-OELII			\$59
OEL8000II enclosure base	OEL8000IIENCBASE			\$244
Printer dowel for PS-102	AP18			\$12
OEL8000II Upgrades/Repairs			Part No.	Price
Replacing F1 and/or F2 fuses	F1F2REPLACE			\$427
Replacing L3 inductor	L3REPLACE			\$488
Latest 7.0 firmware upgrade for OEL8000II	FIRMWARE UPGRADE			\$321
3.15 download chip (may be required for firmware upgrade)	U1			\$257
Chip extractor used for removing I.C. components	CHIP EXTRACTOR			\$92
Programming fee for replacement mother board (must supply serial number from existing controller)	PMB			\$166
Programming fee for replacement motherboard with Modbus (must supply serial number from existing controller)	PMB-MOD			\$275
MTG Probe Spare Parts List			Part No.	Price
6' Yellow Communication cable for MTG probes	YCBL6-MTG			\$78
25' Yellow Communication cable for MTG probes	YCBL25-MTG			\$275
90 degree angle 6' yellow cable for MTG probes	YCBL690-MTG			\$147
.75" X .45" cord grip with .45" inner diameter for MTG probes	CG-75X45			\$19
White clip and adaptor for MTG probes	White Clips			\$15
Cathodic boot for MTG probes	Cathodic boot			\$20
Gas float kit for probes. Includes 4" BUNA floats, 6' yellow cable, spacers, 4" cap, SK-4 (sealing kit), white clips, and cathodic boot.	BFK-85			\$397
Diesel float kit for probes. Includes 4" BUNA floats, 6' yellow cable, spacers, 4" cap, SK-4 (sealing kit), white clips, and cathodic boot.	BFK-95			\$397
4" Spacer kit for MTG probes	OELSP18			\$33
BX Series Sensor Spare Parts List			Part No.	Price
.75" X .25" cord grip for BX series sensors	CG-75X25			\$19
Surge Protector for BX series sensors in Diesel applications	BX-LP-1D			\$512
Surge Protector for BX series sensors in Gasoline applications	BX-LP-1G			\$608



Spare Parts Pricelist

July 2016

PROTEUS OEL8000III Spare Parts List		Part No.	Price
MCU board PROTEUS-K/X	AD00001		\$514
MTG board 4 probes 16 sensors	AD00002		\$735
MTG board 8 probes only	AD00008		\$727
Power supply for PROTEUS-B/K/X	AD00005		\$395
7" display and bezel for PROTEUS-B, PROTEUS-K and PROTEUS-X	AD00007		\$620
PROTEUS-B enclosure cover with display	AD00019		\$632
PROTEUS-K/X enclosure cover with display and printer	AD00006		\$923
Printer for PROTEUS-K/X (PS-103)	I00338		\$769
Case of thermal paper for PS-101, PS-102, or PS-103 (includes (24) 3 packs of paper)	DPU-C		\$269
2 pack batteries for PROTEUS-K/X MCU board (OELSP9)	I00002		\$19
PROTEUS-B RS-232 cable	AD00027		\$30
PROTEUS-B 12 volt power cable	AD00062		\$18
PROTEUS-K MCU to MTG board cable. PROTEUS-B display to MTG board cable.	AD00012		\$18
PROTEUS-K printer to MCU cable.	AD00009		\$30
PROTEUS-K printer power cable	AD00010		\$30
PROTEUS-K MCU power cable	AD00011		\$18
PROTEUS-K MCU to display cable	AD00013		\$18
XC-R8 external relay box replacement board	AD00016		\$687
PROTEUS OEL8000III Upgrades/Repairs		Part No.	Price
Programming fee for replacement mother board (must supply serial number from existing controller)	PMB		\$166
Programming fee for replacement motherboard with Modbus (must supply serial number from existing controller)	PMB-MOD		\$275

Shipping Terms:

F.O.B. Manufacturing Plant:
Ronkonkoma, New York

Freight invoiced to customer.
Seller's Routing

Minimum order - \$250.00

Payment terms:

Net 30 days upon credit approval.

Prices are in US dollars and shown as
manufacturer's suggested retail price.

Taxes not included.

Conditions of Sale

OMNTEC products are to be installed according to current installation instructions of OMNTEC Mfg., Inc. Local codes may also apply and must be consulted by buyer. The proper handling, installation and care of these products are the sole responsibility of the purchaser and any loss or damage resulting from improper installation, handling or care shall not be the responsibility of OMNTEC Mfg., Inc.

All orders are subject to the **Terms and Conditions as stated by OMNTEC Mfg., Inc.**

All quantitative statements are approximates.

Prices subject to change without notice.

Effective July 1st, 2016 Document No. 400132 rev1632 Date: 8-10-2016



	Part No.	Price
FillCheck® Wireless, Battery Powered Overfill Protection for Hazardous Areas		
FillCheck® Transmitter, CSA Intrinsically Safe (Class I Div.1 Groups C D), includes mast and battery	DC-TX-D1	\$1,838
PFChek™ Portable Overfill Transmitter (with Integrated Dual Level Switch with 6" spacing enclosed in SS Protective Housing with cam-lock fitting)	*FI-TX-PF	\$2,979
Single channel audio visual remote annunciator with acknowledgement switch, test switch and system detect light powered by 120V and triggered via dry contacts	RA-LU1	\$627
Two channel audio visual remote annunciator with acknowledgement switch, test switch and system detect light powered by 120V and triggered via dry contacts	RA-LU2	\$761
Three channel audio visual remote annunciator with acknowledgement switch, test switch and system detect light powered by 120V and triggered via dry contacts	RA-LU3	\$1,086
Four channel audio visual remote annunciator with acknowledgement switch, test switch and system detect light powered by 120V and triggered via dry contacts	RA-LU4	\$1,214
FillCheck® Transmitter, CSA Intrinsically Safe (Class I Div.1 Groups C D) (MODULE), no mast or battery included	DC-TX-D1-M	\$998
FillCheck® Mast Housing for Fillcheck	MAST-FC	\$670
Level Sensors		
Single Level Float Switches for Fixed Roof Tanks Only		
MonoCheck™ Single Level 2" Float Switch w/MagLift™ Checking Mechanism, up to 96" Long, NO, All SS, Delrin J-Box, with mounting bracket	*FI-NM-MONO-D	\$1,532
Dual Level Float switches for Fixed Roof Tanks Only		
DuoCheck™ Dual Level (Hi & Hi-Hi) 2" Float Switch w/MagLift™ Checking Mechanism, up to 6' Long, All SS, Delrin J-Box with mounting bracket	*FI-NM-DC-D	\$1,888
Dual Level Float Switches for Internal Floating Roof Tanks Only (Can Also be used in certain fixed Roof Tanks)		
VersaLevel-02-Adjustable™ Dual Level (Hi & HiHi), 2" Float, w/MagLift™ Checking Mechanism, 160" Long, All SS, Metal J-Box, with mounting bracket	FI-NM-V2-M-160"	\$2,425
Level Switches for External Floating Roof Tanks Only (Can also be used in other applications)		
VersaLevel-X1™ Single Level 3.5" Switch, 70" Long, All SS	8160102FP	\$1,640
Controllers, Receivers, and Repeaters for FuelCheck® or DataCheck™		
Tank gauging controller with 4-line by 40 character display and printer, connects to DataCheck Serial Receiver with volumetric tank data & alarm capability	OEL8000IIP-W	\$4,320
Tank gauging controller with 4-line by 40 character display, connects to DataCheck Serial Receiver with volumetric tank data & alarm capability. (WITHOUT PRINTER)	OEL8000II-W	\$3,588
Serial Receiver, Outdoor in NEMA-4X Enclosure, 5' fiberglass mounting mast and Serial Cable included (50' maximum cable length)	DC-RX-SR-O	\$1,831
Repeater with 12 Hr. Backup Battery, NEMA-4X Non-Metallic Enclosure, 5' fiberglass mounting mast	DC-RP-12	\$2,174
FillCheck® Battery for DC-TX-D1 Transmitter (red)	FI-BA-IS	\$78
DataStik™ Batteries, set of two (red and black)	FI-BA-IS-3	\$155
Wireless remote unit for RAS Series remote up to four tanks (node)	WRRAS-1	\$1,271
Wireless base unit for RAS Series remote up to four tanks (gateway)	WBRAS-1	\$1,271
Wireless remote unit for RAS Series remote up to four tanks (node) in an explosion proof enclosure	WRRAS-1-EXP	\$1,915
Interface board 12VDC low voltage output board	IB-12V	\$225
Single channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-1	\$257
Two channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-2	\$288
Three channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-3	\$321
Four channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-4	\$378
Five channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-5	\$481
Six channel audio visual remote annunciator for overfill housed in NEMA 4X enclosure with acknowledgement switch	RAS-6	\$563
FuelCheck® Fiberoptic Process Refractometer for Product Pipeline Interface Detection		
FuelCheck® Controller, 1 Channel, 24 VDC Power, 4-20 mA Output	FU-CT-1I	\$9,231
FuelCheck® Controller, 2 Channel, 24 VDC Power, 4-20 mA Output	FU-CT-2I	\$13,071
FuelCheck® Controller, 3 Channel, 24 VDC Power, 4-20 mA Output	FU-CT-3I	\$16,638
FuelCheck® Probe, 24", Process Insertion Fitting, Low Pressure Insertion Tool, Junction Box, Connectors (300 PSI or less)	FU-PR-24	\$3,292
FuelCheck® High Pressure Probe Insertion Tool for FU-PR-24 (300PSI - 1200PSI)	FU-PR-HP	\$4,465
Fiberoptic Cable, Connectors, and Mating Sleeves *		
Fiberoptic Interconnect 2 Fiber Direct Burial Cable-Armored (consult factory for pricing)	FU-C2-DB	Call
Fiberoptic Connectors	FU-FO-CN	\$19
DataStik™ Series 7255 SS Continuous, Wireless, Battery Powered Level Gauging (continued on next page)		
DataStik™ Series 7255 SS construction, 108" Overall length, includes transmitter, mast, batteries, yellow cable, cathodic boot, foot and adaptor and SK-4 splice kit ***must order float separately***	DS-1S-108	\$3,560
DataStik™ Series 7255 SS construction, 132" Overall length, includes transmitter, mast, batteries, yellow cable, cathodic boot, foot and adaptor and SK-4 splice kit ***must order float separately***	DS-1S-132	\$3,591

*Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.



	Part No.	Price
DataStik™ Series 7255 SS Continuous, Wireless, Battery Powered Level Gauging (continued from previous page)		
DataStik™ Series 7255 SS construction, 156" Overall length, includes transmitter, mast, batteries, yellow cable, cathodic boot, foot and adaptor and SK-4 splice kit ***must order float separately***	DS-1S-144	\$3,630
DataStik™ Series 7255 SS construction, 168" overall length, includes transmitter, mast, batteries, yellow cable, cathodic boot, foot and adaptor and SK-4 splice kit ***must order float separately***	DS-1S-168	\$4,210
Other lengths available. Consult factory for pricing	*DS-1S-XXX	Call
DataStik™ Series 7255V Continuous, Wireless, Battery Powered Level Gauging		
DataStik™ Series 7255V PVDF construction, 192" overall length, includes transmitter, mast, and batteries ***must order floats and weight separately***	DS-1K-192V	\$4,070
DataStik™ Series 7255V PVDF construction, 240" overall length, includes transmitter, mast, and batteries ***must order floats and weight separately***	DS-1K-240V	\$4,225
DataStik™ Series 7255V PVDF construction, 360" overall length, includes transmitter, mast, and batteries ***must order floats and weight separately***	DS-1K-360V	\$4,949
DataStik™ Series 7255V PVDF construction, 480" overall length, includes transmitter, mast, and batteries ***must order floats and weight separately***	DS-1K-480V	\$6,188
DataStik™ Series 7255V PVDF construction, 600" overall length, includes transmitter, mast, and batteries ***must order floats and weight separately***	DS-1K-600V	\$7,566
Other Lengths Available - Consult factory	*DS-1K-XXXV	Call
DataStik™ Series 7255VB Continuous, Wireless, Battery Powered Level Gauging (measure to bottom)		
DataStik™ Series 7255VB flexible PVDF construction, includes transmitter, mast, and batteries, bottom up probe for low water detection available upon request. Please consult factory for pricing. ***must order floats and weight separately***	*DS-2K-XXXVB	Call
Float Options for DataStik™ Series 7255 (All models)		
Single 316 Stainless Steel Product Float, 1.83" diameter	SSF-1-2	\$129
Dual 316 Stainless Steel product/water float, 1.83" diameter	SSF-2	\$257
Single 316 Stainless Steel Product Float, 3.85" diameter	SSF-1-4	\$184
Dual 316 Stainless Steel Product Float, 3.85" diameter	SSF-4	\$365
2" Stainless Steel Product Float for low product detection applications	SSF-1-2-VB	\$194
2" Stainless Steel Water Float for low water detection applications	SSF-1-2W-VB	\$194
Single Buna N Product Float, 3.85" diameter	BNF-1-4	\$89
Dual Buna N product/water floats 3.85" diameter	BNF-4	\$173
Stainless steel float spacer required on probe lengths 288" or greater	SFS	\$40
Weights for DS-1K and DS-2K series flexible probes		
2" diameter X 5" long stainless steel weight for probes up to 144" overall length	W2-144	\$225
2" diameter X 7" long stainless steel weight for probes up to 288" overall length	W2-288	\$257
2" diameter X 11" long stainless steel weight for probes up to 432" overall length	W2-432	\$384
2" diameter X 14" long stainless steel weight for probes up to 600" overall length	W2-600	\$415
2" diameter X 16" long stainless steel weight for probes up to 720" overall length	W2-720	\$608
2" diameter X 18" long stainless steel weight for probes up to 840" overall length	W2-840	\$797
5.75" (dia.) X 7" (H) hollowed out weight for fixed bottom probes for low water detection	W6-VBH	\$1,111
Accessories		
FillCheck® battery for DC-TX-D1 transmitter, FKA FI-TX-IS B1- RED	FI-BA-IS	\$78
DataStik™ batteries (for any model) (set of two) B1- RED B2- BLACK	FI-BA-IS-3	\$155
DataCheck™ serial transmitter for series DataStik™ probes (batteries not included)	DC-TX-S2-55-M	\$1,749
Mast housing for FillCheck®	MAST-FC	\$670
Mast housing for DataCheck™	MAST-DC	\$670
6' yellow lead cable for MTG-420 probe or wireless rigid	YCBL6-MTG-420	\$139
DataStik™ test probe	DSTP7255	\$576
DataStik™ USB interface module for probe diagnosis	USB7255	\$512
DataStik™ transmitter programming kit includes CD with software, DB9 female to 10 pin female, and USB to serial converter.	DSTPK	\$384
DataStik™ programming and diagnostic kit. Includes DSTPK, DSTP7255 and USB7255.	DSPDK	\$1,143
FillCheck® transmitter module	DC-TX-D1-M	\$843
OMNTEC remote monitoring PC software for wireless systems (up to 8 tanks)	OMN-PC-W	\$639
Universal junction box kit for probes and sensors	U-JBK-1	\$97

*Signed dimension approval sheet is required to start production on any custom length items. Once signed dimension approval sheet is received by factory, order cannot be canceled on this item. Final pricing will be determined upon receipt of dimension approval sheet.

Shipping Terms:

F.O.B. Manufacturing Plant:
Ronkonkoma, New York
Freight invoiced to customer.
Seller's Routing

Minimum order - \$250.00

Payment terms:

Net 30 days upon credit approval.
Prices are in US dollars and shown as manufacturer's suggested retail price.
Taxes not included.

Conditions of Sale

OMNTEC products are to be installed according to current installation instructions of OMNTEC Mfg., Inc. Local codes may also apply and must be consulted by buyer. The proper handling, installation and care of these products are the sole responsibility of the purchaser and any loss or damage resulting from improper installation, handling or care shall not be the responsibility of OMNTEC Mfg., Inc.

All orders are subject to the **Terms and Conditions** as stated by **OMNTEC Mfg., Inc.**

All quantitative statements are approximates.

Prices subject to change without notice.

Effective July 1st, 2016 Document No. 600204 rev1615 Date: 4-15-2016