OMNTEC
Advanced Tank Monitoring & Leak Detection

PROTEUS®
TANK GAUGING AND LEAK DETECTION SYSTEM
OEL8000IIIK SERIES

We have upgraded our dependable PROTEUS Series with advanced technology, versatility, scalability and new features like a capacitive touch screen display, 5 built in programmable relays and built in VPN capability. The PROTEUS-K Series can monitor multiple parameters, including product levels, water levels, temperature, leaks and more in up to eight tanks simultaneously. This flexibility makes PROTEUS perfect for various tank gauging and leak detection applications.

The PROTEUS-K can accept up to 16 OMNTEC Bright Eye (BX Series) sensors, which are excellent for distinguishing between product and water or detecting liquid presence. These Bright Eye sensors are networked and utilize 4-wire bus technology, providing a distinct advantage.

BX Series sensors come equipped with a built-in microprocessor that enables each sensor to self-identify and provide its location. This information is readily displayed alongside alarm conditions on the PROTEUS's 7-inch color capacitive touch screen graphic display.

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

OMNTEC Mfg., Inc. has been certified by DQS Inc. to ISO 9001:2015; Registration Number 10017970.

- COST EFFECTIVE & COMPLIANCE FOCUSED

- EASY TO USE, PLUG AND PLAY INSTALLATION

FEATURES

- Accepts up to 8 magnetostrictive probes
- Accepts up to 16 Bright Eye sensors
- Sensors networked using state of the art 4 wire bus technology
- Color 7-inch graphic display with capacitive touch screen
- Large user-friendly icons
- Easy to read leak and level alarms
- Built in web server
- Built in VPN capability
- Flash based non-volatile memory for program storage (does not require a battery)
- 1 RS-232 port
- Up to 2 configurable RS-232/RS-485 ports (optional)
- Ethernet / TCP/IP standard
- E-mail / Text capability standard

- Thermal printer option or network printing capable
- Up to 5 built in programmable relays
- Up to 8 additional external dry contact relays
- SD memory card slot (for extended logging)
- VLD standard
- CITLD upgradeable
- MODBUS RTU & TCP upgradeable
- Remote display option
- Compatible with **Tank Active™** remote tank inventory monitoring app
- Remote software update capable

SPECIFICATIONS
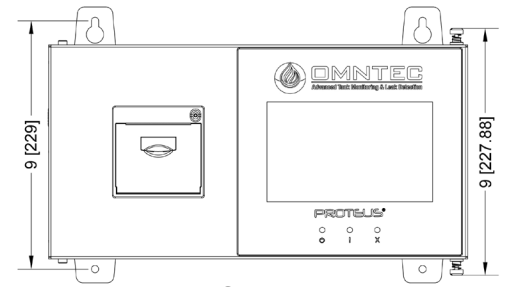
Input Power	100-240 VAC +/- 10% 50/60 Hz 60 watts
Voltage to Sensors	12 VDC
Voltage to Probes	28 VDC
Display **Audible alarm** **Printer** **System status**	Color 7-inch graphic display with capacitive touch screen 85 dB piezoelectric horn 36-character thermal 3 LED's (Power, Warning, Alarm)
Relay Outputs	5 standard, 6A - 30 VDC / 250 VAC RES
Low-voltage Outputs	12 VDC @ 225 mA
Operating Temperature	20 to 140° F (-7° to 60° C)
Standard Communications	TCP/IP | RS-232
Models Available	OEL8000IIIK4-5 (accepts 4 level probes and 16 sensors) OEL8000IIIK8-5 (accepts 8 level probes) OEL8000IIIK4P-5 (accepts 4 level probes and 16 sensors, with printer) OEL8000IIIK8P-5 (accepts 8 level probes, with printer)
Optional Features	CITLD Upgradeable | Modbus RTU and TCP | **Tank Active™** App
Compatible Sensors	BX-Series sensors (refer to document no. 900106)
BX-Series Sensor Cable	OMNTEC EC-4 - 4 conductor 22 AWG shielded twisted pair cable with drain or equivalent. Maximum length 2,000 feet (610m).
Compatible Probes	MTG-RS Series Rigid Gauging Probe (refer to document no. 900194) MTG-FL Series Flexible Fixed Top Probe (refer to document no. 900166) MTG-FB Series Flexible Fixed Bottom Probe (refer to document no. 900162)
MTG Probe Cable	OMNTEC EC-2 (Belden 8761) - 2 conductor 22 AWG shielded twisted pair cable with drain. Low Inductance: equal or less than 0.2 microhenries per foot. Maximum length 1,000 feet (305m). Consult factory for longer wire runs.
Accessories	MMRD7 Series Mini-Me remote display DDL Series Delivery Defender Lite universal remote overfill alarm RAS Series Remote annunciators PS-103 Thermal printer DPU-6PK Thermal paper XC-R8 External relay expansion X232-420 External RS-232 to 4-20 mA converter MB-232/485 Configurable RS-232 or RS-485 option board C232-BAC RS-232 BACnet TCP/IP converter C485-BAC RS-485 BACnet TCP/IP converter WRS-232 Wireless link
Enclosure Type	UL Type 1
Weight	14 lbs. (6.35 kg)
Dimensions	(h) 10.0" (w) 15.2" (d) 5.1"
Approvals	UL-listed, CUL-listed, ATEX, IECEx

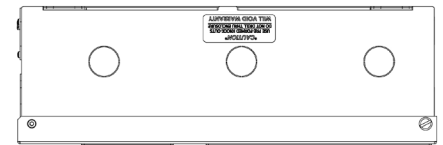**IMPORTANT**: Specifications subject to change without notice, verify with manufacturer.
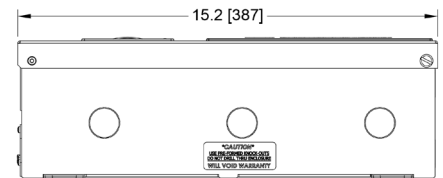

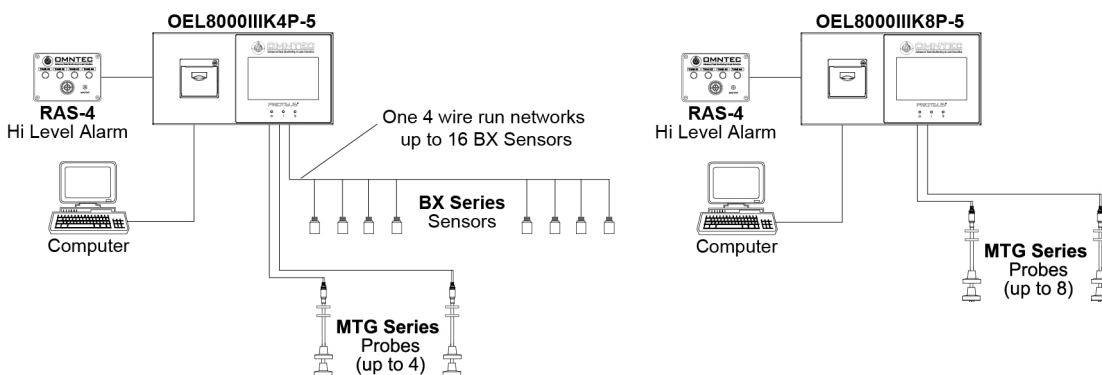FRONT VIEW

LEFT VIEW   RIGHT VIEW

RS-232
ETHERNET
MICRO USB
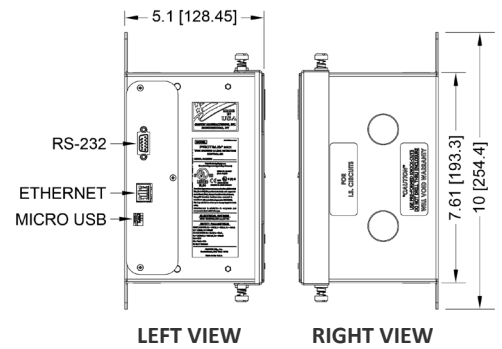
TOP VIEW

BOTTOM VIEW

PROTEUS-K Application

OEL8000IIIK4P-5

RAS-4
Hi Level Alarm

Computer

One 4 wire run networks up to 16 BX Sensors

BX Series Sensors

MTG Series Probes (up to 4)

OEL8000IIIK8P-5

RAS-4
Hi Level Alarm

Computer

MTG Series Probes (up to 8)

OMNTEC

OMNTEC Mfg., Inc.
2420 Pond Road,
Ronkonkoma, NY 11779
☎ +1.631.981.2001
🖷 +1.631.981.2007
✉ omntec@omntec.com
🌐 www.omntec.com

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