OMNTEC®

PROTEUS®
Automatic Tank Gauging and Leak Detection System

Part Number: **OEL8000III-B4**
OEL8000III-B8

Description

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

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

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

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

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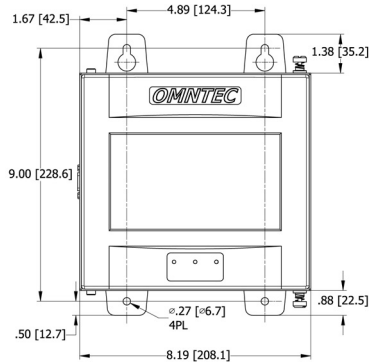
Features

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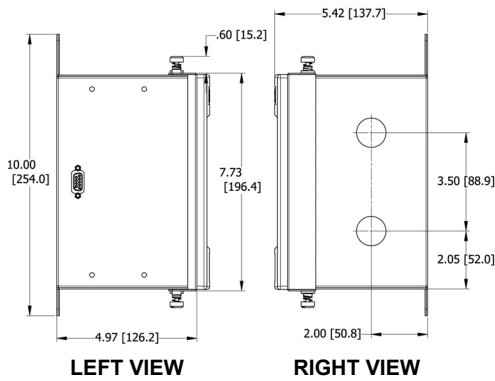- Remote display option
- VLD standard
- Lower cost

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Automatic Tank Gauging and Leak Detection System
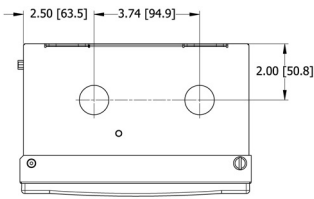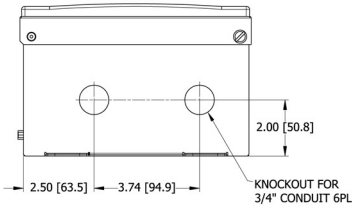### Part No. OEL8000III-B4 & OEL8000III-B8

FRONT VIEW

LEFT VIEW **RIGHT VIEW**
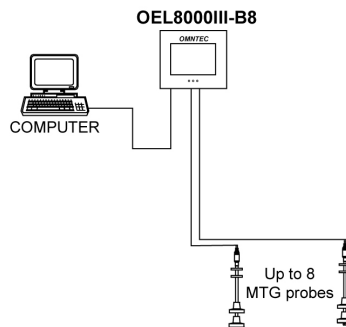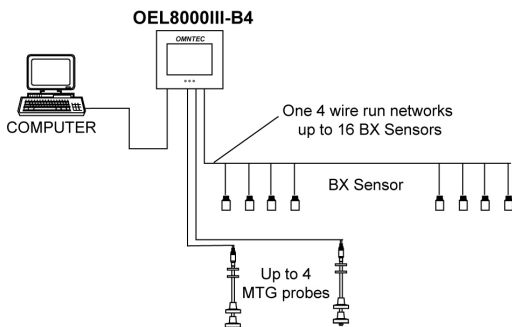

TOP VIEW

KNOCKOUT FOR 3/4" CONDUIT 6PL
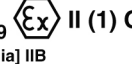
BOTTOM VIEW

OEL8000III-B Application

OEL8000III-B4

COMPUTER

One 4 wire run networks up to 16 BX Sensors

BX Sensor

Up to 4 MTG probes

OEL8000III-B8

COMPUTER

Up to 8 MTG probes

Specifications

Optional Features:	Modbus CITLD upgradeable OMNTEC PC software
Input Power:	100-240 VAC +/- 10% 50/60 Hz 60 watts
Voltage to Sensors:	12 VDC
Voltage to Probes:	28 VDC
Audio Visual Controls: Display: Audible alarm: System status:	 Color 7-inch graphic display with touch screen 85 dB piezoelectric horn 3 LED's (OK, fault, alarm)
Operating Temperature:	20 to 140° F (-7° to 60° C)
Compatible Sensors:	BX-Series sensors *(refer to document no. 900106)*
BX-Series Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4), Maximum length 2,000 feet (610m)
Compatible Probes:	**Rigid Gauging Probe** *(refer to document no. 900194)* MTG-4* (1219mm) MTG-6* (1829mm) MTG-8* (2438mm) MTG-10* (3048mm) **Flexible Fixed Top Probe** *(refer to document no. 900166)* MTG-F-* Series **Flexible Fixed Bottom Probe** *(refer to document no. 900162)* MTG-FB-* Series *Number signifies shaft length and corresponds to tank diameter.* *Contact representative for additional lengths.*
MTG Probe Cable:	OMNTEC EC-2 (Shielded Belden #8761) Low Inductance: equal or less than .2 microhenries per foot Maximum length 1,000 feet (305m) Consult representative for longer wire runs.
Accessories:	RD7CTS Remote display
Weight:	20 lb. (9kg)
Dimensions:	(h) 7.73" (w) 8.19" (d) 5.42"
Approvals:	UL-listed & CUL-listed

IECEx UL 13.0057X
[Ex ia Ga] IIB

c**UL**us LISTED 5L04   CE 0539 II (1) G
[Ex ia] IIB
DEMKO 13 ATEX 1341071X

Version Summary:

Version	Probes	Sensors	Audio/Visual	Relays	Comm
B4	4	16	yes	0	
B8	8	0	yes	0	(1) RS-232
B4B	4	16	no	0	(1) Expansion Port
B8B	8	0	no	0	

Specifications subject to change without notice, verify with manufacturer.

OMNTEC®

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