

# Tank Level Sensors

## PROTEUS-B Automatic Tank Gauging and Leak Detection System



### KEY FEATURES

- Accepts up to 4 or 8 magnetostrictive probes
- Accepts up to 16 Bright Eye sensors
- Sensors networked using state of the art four-wire bus technology
- 1 RS-232 port
- External expansion port
- Compact footprint
- VLD standard
- Low Cost

### Options

- Remote display
- Modbus
- CITLD upgradeable
- OMNITEC PC software

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.

Our economical version of the PROTEUS Series is OEL8000III-B. 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 OMNITEC's Bright Eye<sup>TM</sup> (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 touch screen.

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



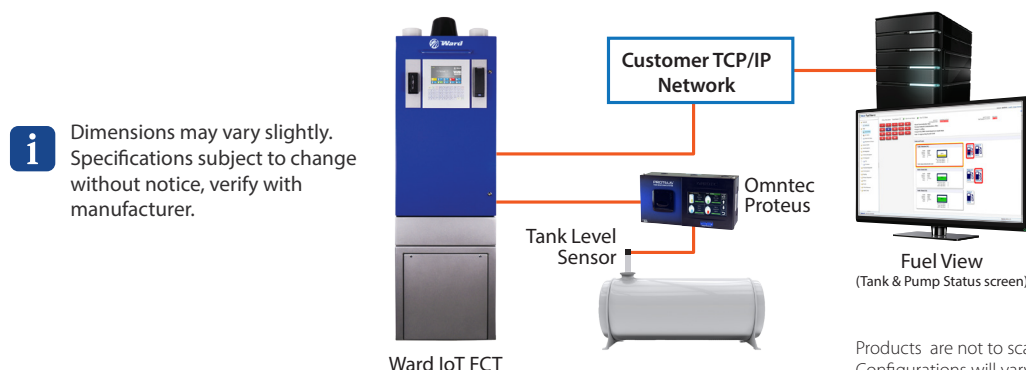
See the Ward Brochure for our Solutions Overview.

# Specifications

<b>Electrical</b>	
<b>Input Power</b>	100-240 VAC +/- 10% 50/60 Hz 60 watts
<b>Voltage to Sensors</b>	12 VDC
<b>Voltage to Probes</b>	28 VDC
<b>Audio Visual Controls</b>	
<b>Display</b>	Color 7-inch graphic display with touch screen
<b>Audible alarm</b>	85 dB piezoelectric horn
<b>System status</b>	3 LED's (OK, fault, alarm)
<b>Operating Temperature</b>	20 to 140° F (-7° to 60° C)
<b>Compatible Sensors</b>	BX-Series sensors (refer to document no. 900106)
<b>BX-Series Sensor Cable</b>	Shielded 22 AWG with drain wire (OMNTEC EC-4), maximum length 2,000 feet (610m)
<b>Compatible Probes</b>	Rigid Gauging Probe MTG-4* (1219mm) MTG-6* (1829mm) MTG-8* (2438mm) MTG-10* (3048mm) Flexible Fixed Top Probe MTG-F-* Series Flexible Fixed Bottom Probe MTG-FB-* Series
<b>MTG Probe Cable</b>	OMNTEC EC-2 (Shielded Belden #8761) Low Inductance: equal or less than .2 microhenries per foot maximum length 1,000 feet (305m)**
<b>Accessories</b>	RD7CTS Remote display
<b>Weight</b>	20 lb. (9kg)
<b>Dimensions</b>	7 x 8 x 5 (H x W x D) inches
<b>Approvals</b>	

\* Number signifies shaft length and corresponds to tank diameter. Contact representative for additional lengths.

\*\* Consult representative for longer wire runs.



Products are not to scale.  
Configurations will vary.  
Other communication options available.

## Contact

[www.ejward.com/contact](http://www.ejward.com/contact)