Tank Level Sensors

PROTEUS-X Automatic Tank Gauging and Leak Detection System

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-X Series can simultaneously monitor product levels, water levels, temperature, leaks, and much more in up to 16 tanks. The flexibility of PROTEUS-makes it ideal for a variety of gauging and leak detection applications.

The OEL8000IIIX accepts up to 64 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 display screen.

With OMNTEC'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.

KEY FEATURES

- Accepts up to 16 magnetostrictive probes
- Accepts up to 64 Bright Eye sensors
- Three built in programmable relays
- Up to 32 additional dry contact relays
- Large user friendly icons
- Easy to read leak and level alarms
- SD memory card slot (for extended logging)
- Built in web server
- E-mail and text capability
- VLD Standard
- Flash based non-volatile memory for program storage (battery not required)
- Compatible with OMNTEC PC remote tank inventory monitoring

Options

- Remote display
- 36-character thermal printer
- Modbus RTU and TCP
- CITLD upgrade
- OMNTEC PC software

Specifications

Electrical	Input	100-240 VAC ± 10%
		50/60 Hz 50 watts
		(optional 12 VDC power)
	Sensors	12 VDC @ 125 mA max
	Probes	28 VDC
	Low-voltage Outputs	12 VDC @ 150 mA
	Built In Relay Outputs	120 VAC @ 0.6 amp resistive
		3 SPST Failsafe

Audio Visual Controls	Display	7-inch color graphic display touch screen
	Audible alarm	85 dB piezoelectric horn
	Printer	36 character; thermal
	System status	3 LED's (OK, warning, alarm)

Operating Temperature	20 to 140° F (-7° to 60° C)

Compatible Sensors	BX-Series sensors

BX-Series Sensor Cable	Shielded 22 AWG with drain wire (OMNTEC EC-4)
	maximum length 2,000 feet (610m)

Compatible Probes	**Rigid Gauging Probe**	
	MTG-4*	(1219mm)
	MTG-6*	(1829mm)
	MTG-8*	(2438mm)
	MTG-10*	(3048mm)
	Flexible Fixed Top Probe: TG-F-* Series	
	Flexible Fixed Bottom Probe: MTG-FB-* Series	

MTG Probe Cable	OMNTEC EC-2 (Shielded Belden #8761)
	Low Inductance Equal or less than 0.2 microhenries per ft Max length 1,000 ft (305m)**

Accessories	RD7CTS	Mini-Me remote display	XB-416	4 probe 16 leak sensor output board
	RAS Series	Remote annunciators	XB-400	4 probe output board
	PS-103	Thermal printer	XB-RB8	8 relay output board rated at 5 amps 120 VAC
	DPU-C	Thermal paper		

Weight	20 lb. (9kg)

Dimensions	7 x 15 x 9 inches (H x W x D)
	Depth dimension includes printer and bezel

Approvals	UL; CUL

* Number signifies shaft length and corresponds to tank diameter. Contact representative for additional lengths.
** Consult representative for longer wire runs.

i Dimensions may vary slightly. Specifications subject to change without notice, verify with manufacturer.

Customer TCP/IP Network

Omntec Proteus

Tank Level Sensor

Ward IoT FCT

Fuel View
(Tank & Pump Status screen)
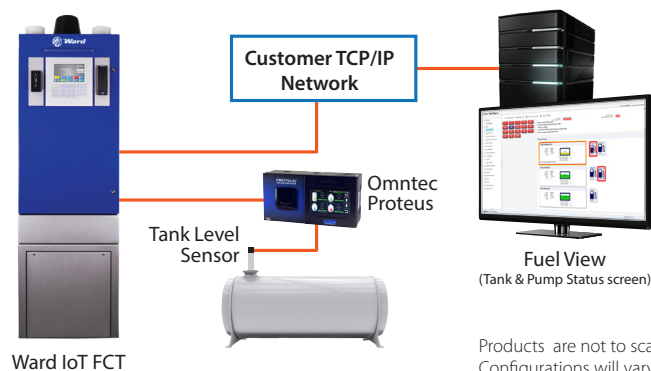
Products are not to scale.
Configurations will vary.
Other communication options available.

Contact

www.ejward.com/contact

Ward™
Telematics and Fuel Control