OMNTEC™

OEL8000II Automatic Tank-Gauging and Leak-Detection System

Part Number: **OEL8000II**

Description

The OEL8000II is a comprehensive tank-gauging and leak-detection system that can simultaneously monitor product levels, water levels, temperatures and leaks in up to 8 tanks. With advanced technology and enhanced features, the OEL8000II is suitable for a variety of gauging and leak-detection applications.

The OEL8000II accepts up to 44 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 that they are networked and utilize 4-wire buss technology.
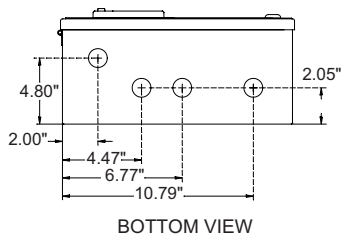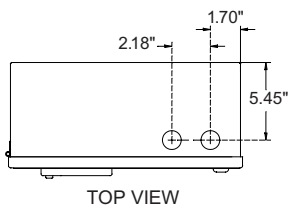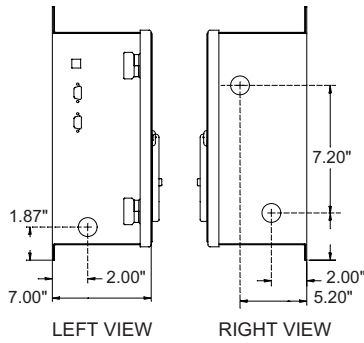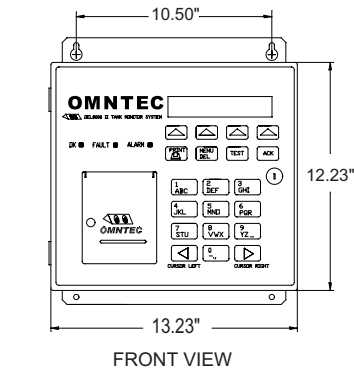
This system does not require sensor or probe input modules, bringing ease to the ordering and installation process. A built-in microprocessor gives each sensor the ability to identify itself and its location, which is displayed along with alarm conditions on the OEL8000II's 4-line by 40-character backlit LCD display.

With OMNTEC's proven reliability, the OEL8000II offers a comprehensive and user-friendly system, which will include continuous in-tank leak detection (CITLD) as an upgrade option.
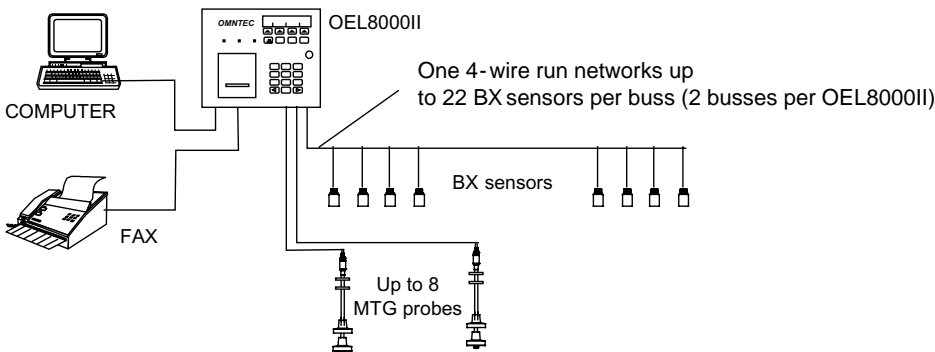
Features

- Accepts up to 8 magnetostrictive probes
- Accepts up to 44 Bright Eye sensors
- Sensors networked using state-of-the-art 4-wire buss technology
- 4 RS-232 ports
- 1 RS-485 port
- Fax/modem capability
- 4-line by 40-character backlit LCD display
- Accepts up to 6 interface boards
- Flash prom technology
- Compatible with OMNTECPC remote tank-inventory monitoring
- Battery-backed memory
- Requires no leak-sensor modules
- CITLD upgradable
- UL-listed, CUL-listed, CE-listed

OEL8000II

10.50"
12.23"
13.23"

FRONT VIEW

7.20"
1.87"
2.00"
7.00"
2.00"
5.20"

LEFT VIEW   **RIGHT VIEW**

1.70"
2.18"
5.45"

TOP VIEW

2.05"
4.80"
2.00"
4.47"
6.77"
10.79"

BOTTOM VIEW

Specifications

Optional Features:	36-character thermal printer
	Low-voltage programmable remote annunciators
	  ■ programmable remote time-out on high-level alarm
	  ■ flashing caution output
	Fax/Modem
	CITLD upgradable

Input Power:	100-240 VAC +/- 10% 50/60 Hz 50 watts
Power to Sensors:	12 VDC @ 125 mA max
Power to Probe:	28 VDC

Audio-visual Controls:
  Display:
  Audible alarm:
  Printer:
  Key pad:
  System status:
	
	4-line by 40-character backlit LCD
	85 dB piezoelectric horn
	36-character thermal
	20-key oil-resistant tactile
	3 LEDS (OK, fault, alarm)

Relay Outputs (optional):	120 VAC @ 5 amp resistive SPDT, 24 maximum
Low-voltage Outputs (optional):	12 VDC
Fax/Modem (optional):	14,400 baud
Operating Temperature:	20 to 140° F
Compatible Sensors:	BX-series sensors
Bx-Series Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4) Maximum length 2,000 feet
Compatible Probes:	MTG-4* MTG-6* MTG-8* MTG-10* MTG-F-* Series (Flex) *Number signifies shaft length and corresponds to tank diameter. Contact representative for additional lengths. Consult factory for special applications (floats, wells, vapors,etc.).*
MTG Probe Cable:	OMNTEC EC-2 (Shielded Belden #8761) Low inductance: equal to or less than .2 microhenries per foot Maximum length 1,000 feet *Consult representative for longer wire runs.*
Accessories:	RAS Series Remote annunciators IB-RAS Remote annunciator interface board PS-102 Thermal printer MDR-2 14,400-baud fax/modem IB-RB-2 Relay card (4 SPDT relays per card) IB-12V Low-voltage interface board
Weight:	20 lb.
Approvals:	UL-listed, CUL-listed, CE-listed

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

OEL8000II APPLICATION

COMPUTER

OEL8000II

One 4-wire run networks up
to 22 BX sensors per buss (2 busses per OEL8000II)

BX sensors

FAX

Up to 8
MTG probes