OMNTEC® OEL8000II Automatic Tank Gauging and Leak Detection System

Part Numbers: 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.
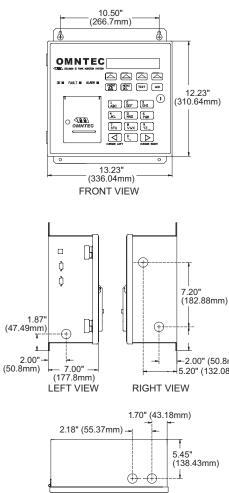
This system does not require sensor or probe input modules, bringing ease to the ordering and installation process. A built-in microprocessor gives each sensor the ability to identify itself and its location, which is displayed along with alarm conditions on the OEL8000II's 4-line by 40-character backlit LCD display.

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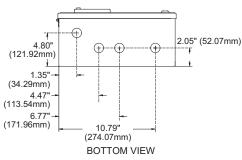
Features

- 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
- Modus upgradable
- E-mail capability when using IB-NET-2
- UL-listed, CUL-listed, CE-listed

OEL8000II

10.50"
(266.7mm)

OMNTEC

OK ▓ FAULT ▓ ALARM ▓

12.23"
(310.64mm)

13.23"
(336.04mm)

FRONT VIEW

7.20"
(182.88mm)

1.87"
(47.49mm)

2.00"
(50.8mm)

7.00"
(177.8mm)

2.00" (50.8mm)
5.20" (132.08mm)

LEFT VIEW   RIGHT VIEW

1.70" (43.18mm)

2.18" (55.37mm)

5.45"
(138.43mm)

TOP VIEW

4.80"
(121.92mm)

2.05" (52.07mm)

1.35"
(34.29mm)

4.47"
(113.54mm)

6.77"
(171.96mm)

10.79"
(274.07mm)

BOTTOM VIEW

OEL8000II APPLICATION

COMPUTER

OMNTEC   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

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 Modbus 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° F to 140° F (-7° C 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:	MTG-4* (1219mm) 60" (1524mm) overall length MTG-6* (1829mm) 84" (2032mm) overall length MTG-8* (2438mm) 108" (2743mm) overall length MTG-10* (3048mm) 132" (3353mm) overall length MTG-F-* Series (Flex) MTG-V Inventory only * 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 (305m) 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 IB-C420-4 4-20mA output board IB-NET-2 Ethernet board with e-mail capability RD625 Remote display
Weight:	20 lb. (9 kg)
Approvals:	UL-listed, CUL-listed, CE-listed

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