

Bright Eye Sensors BX-Series

Part Numbers:





Description

OMNTEC sensors are most known for the ease of installation, reliability, cost effectiveness and their ability to be tested remotely. Bright Eye sensors (BX-series) are self diagnostic, and programmed to identify themselves and their location, providing the user with critical information.

Each sensor can recognize its unique serial number, part number and function. It accomplishes this via an internal microprocessor that enables it to distinguish itself from the other sensors on the system. This information is then relayed back to the OEL8000II &OEL8000III controller, eliminating the need to guess where a leak condition is occurring.

Built with four wire buss technology, up to 22 Bright Eye (BX-series) sensors can be networked along a common cable. (A total of 44 Bright Eye sensors can be used with OEL8000III & OEL8000II.) This eliminates the need to run separate lines for every sensors, which results in fewer conduits, and a quicker, less expensive and easier installation. In addition, systems already installed can be easily retrofitted without the need to run new cable.

A major feature of these sensors is that they can be tested from a remote location with the press of a single button, which has been third party certified.

Features

- Self identifying by part number, serial number and function
- Self diagnostic
- Easily installed
- Minimal conduit needed
- Minimal programming required
- Product distinguishing or liquid only detection
- Easily tested without removal
- Corrosion resistant
- Not affected by hydrocarbon vapors or condensation
- Intrinsically safe
- Detects liquids at any angle
- No moving parts
- Modified sensors available
- Cost effective
- Third party certified
- UL listed, CUL listed, CE listed

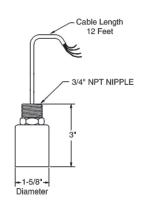
Product-Distinguishing Leak-Detection Sensors



The OMNTEC BX-series product distinguishing sensors employ proven optic technology for leak detection coupled with the principle of conductivity to distinguish between product and water. An internal microprocessor enables the BX-series sen sors to be self diagnostic and self identify ing. Each sensor can recognize its serial number, part number and function. This allows the controller to differentiate one sensor from another on the network and relay critical information to the user.

BX-PDSGeneral Purpose Sensor

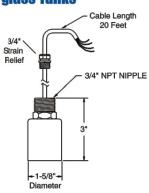
The BX-PDS was designed to accommo date a variety of applications. With its convenient size and ability to detect liquids at any angle, the BX-PDS sensor is the ideal sensor for sumps, dispenser pans and containment areas.



BX-PDWS

Sensor for Double-Wall Steel Tanks & Xerxes 4'-Diameter Dry Double-Wall Fiberglass Tanks

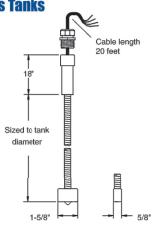
The BX-PDWS was designed to fit into the annular space of steel double-wall tanks. It can distinguish liquid hydrocarbons from water, and, like all BX-series sen sors, can be remotely tested without removal.

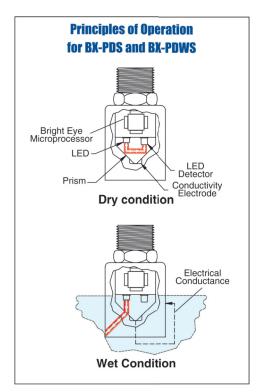


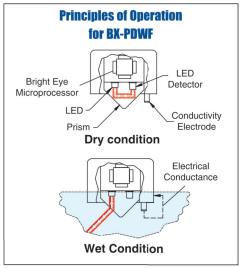
BX-PDWF

Sensor for Dry Double-Wall Fiberglass Tanks

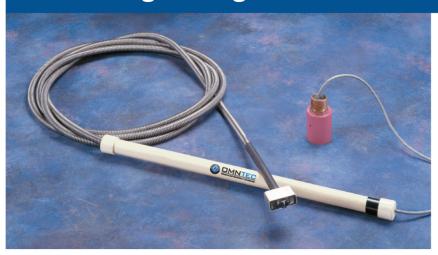
The BX-PDWF was designed to fit into the annular space of dry double-wall fiberglass tanks. It can distinguish liquid hydrocarbons from water, and, like all BX-series sensors, can be remotely test ed without removal. With its slim, compact shape and flexible snake like shaft, the BX-PDWF can easily be installed and removed from grade. (When ordering, the part number will denote tank diameter.)







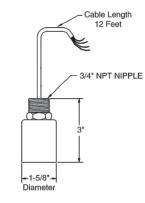
Non-Distinguishing Leak-Detection Sensors



OMNTEC BX-series non-distinguishing sen sors employ proven optic technology for leak detection applications. An internal microprocessor enables these sensors to be self diagnostic and self identifying. Each sensor can recognize its serial number, part number and function. This allows the con troller to differentiate one sensor from another on the network and relay critical information to the user.

BX-LS General Purpose Sensor Sensor for Double-Wall Steel Tanks & Xerxes 4'-Diameter Dry Double-Wall Fiberglass Tank

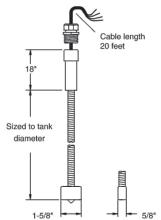
The BX-LS non-distinguishing sensor was designed to accommo date a variety of applications. With its convenient size and ability to detect liquids at any angle, the BX-LS sensor is the ideal sensor for sumps, dispenser pans, containment areas and annular spaces of double-wall steel tanks.

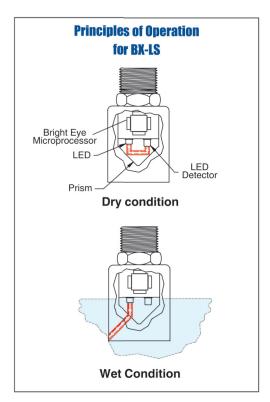


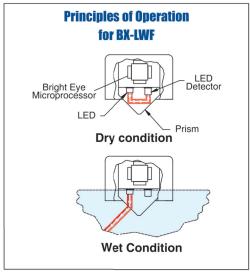
BX-LWF

Sensor for Dry Double-Wall Fiberglass Tanks

The BX-LWF non-distinguishing sensor was designed to fit into the annular space of dry double-wall fiberglass tanks. With its slim, compact shape and flexible snake like shaft, the BX-LWF can easily be installed and removed from grade. (When ordering, the part number will denote tank diameter.)





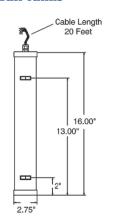


Leak-Detection Sensors for Other Applications



BX-RESSensor for Brine-Filled Double-Wall Tanks

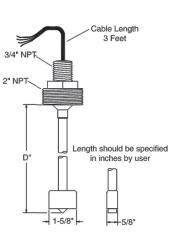
The dual point BX-RES sensor is designed for double-wall brine filled fiberglass tanks. This sensor is made of nonmetallic corrosion resistant materials. An alarm is activated to signal changes in reservoir liquid level beyond acceptable limits (high or low).





BX-L-Series Product-Level Sensor

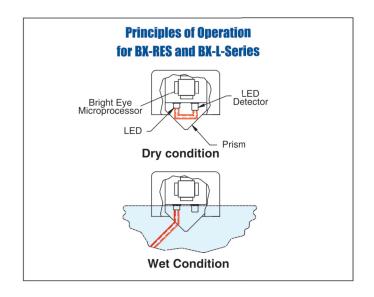
The BX-L-series sensors are designed to provide product level alarms for high, caution or low product levels.
BX-L-series sensors can be remotely tested without removal. This sensor is available with multiple alarm points.



Specifications for BX-Series Sensors	
Power Consumption:	12 VDC @ 1.4 mA
Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4) Maximum length 2,000 feet
Principles of Operation: Normal Condition: Alarm Condition: (refracts) Water Condition (BX-PDS, BX-PDWS	Normally closed beam of light Normally closed beam of light opens
and BX-PDWF only):	Conductivity electrode
Response Time:	Immediate
Operating Temperature:	-15 to 140° F
*Compatible System:	OEL8000II PROTEUS Series OEL8000III-B, OEL8000III-K, OEL8000-X
Approvals:	UL listed, CUL listed, CE listed

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

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 $[*]Please\ consult\ factory\ for\ additional\ compatible\ controllers.$