



OMNTEC

Advanced Tank Monitoring & Leak Detection

BRIGHT EYE SENSOR | BX-LWF

LEAK SENSOR FOR DRY DOUBLE WALL FIBERGLASS TANKS

OMNTEC® sensors are known for easy installation, reliability, cost-effectiveness and remote testing. Bright Eye Sensors (BX-Series) are self-diagnostic and provide critical information by identifying themselves and their location. Each sensor recognizes its unique serial number, part number and function via an internal microprocessor. This data is relayed to the OEL8000III controller, eliminating guesswork in leak detection.

Using four-wire buss technology, up to 22 Bright Eye Sensors can be networked on a common cable (44 with the OEL8000III), reducing conduits and installation time/cost. Existing systems can be retrofitted without new cables.

The sensors can be remotely tested with a single button press and are Third Party Certified. BX-Series Sensors use proven optic technology for leak detection, with self-diagnostic and identifying capabilities. The BX-LWF sensor was designed to accommodate annular spaces 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.



FEATURES

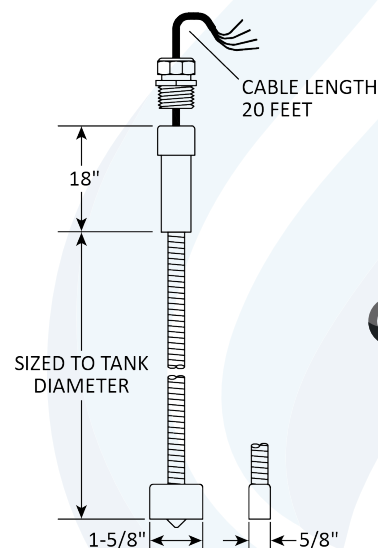
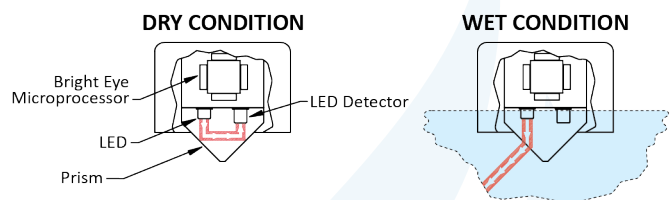
- Self identifying by part number, serial number and function
- Easily installed and programmed
- Less conduit needed
- Easily tested without removal
- Corrosion resistant
- Not affected by hydrocarbon vapors or condensation
- Intrinsically safe
- Detects liquids at any angle
- No moving parts
- Third Party Certified, UL Listed, CUL Listed, ATEX Listed

SPECIFICATIONS

Power Consumption	12 VDC @ 1.4 mA
Sensor Cable	OMNTEC EC-4 - 4 conductor 22 AWG shielded twisted pair cable with drain or equivalent. Maximum length 2,000 feet (610m).
Principles of Operation	
Normal Condition	Normally closed beam of light
Alarm Condition	Normally closed beam of light opens (refracts)
Response Time	Immediate
Operating Temperature	-40 to 140° F
Compatible Controllers	OEL8000II OEL8000III
Approvals	UL Listed, CUL Listed, ATEX Listed

Specifications subject to change without notice, verify with manufacturer.

PRINCIPLES OF OPERATION



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