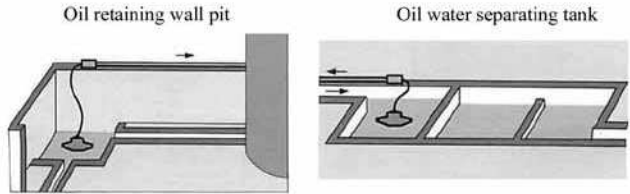


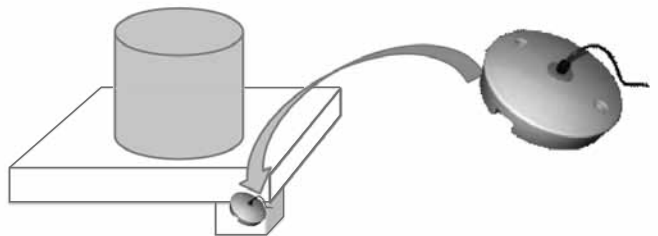
MODEL LZ LEAKAGE OIL SENSOR



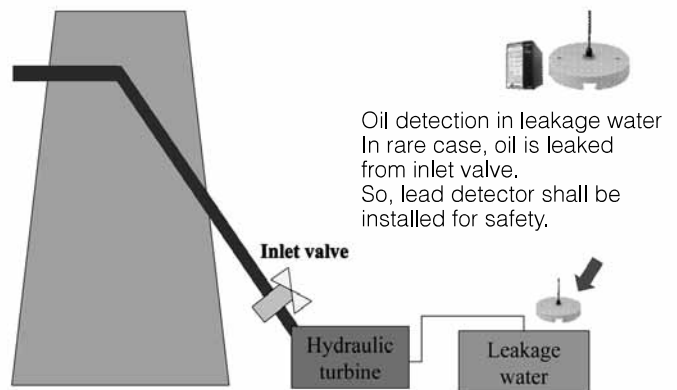
- Oil leak detection for oil refinery, petrochemical, cogeneration, and power plant



- Oil leak detection for storage tank of crude oil and refined oil in oil refinery plant



Hydraulic Power Plant



Features

- Strong for buildup
- Strongly built sensor
- Excellent maintainability
- Easy to replace from existing sensor

General Description

Model LZ is designed to detect the leakage oil in sump pit, pit in oil retaining wall, pump yard, and etc. Since Model LZ contains no moving parts, it is very reliable and durable. The construction is very simple, so it is easy to maintain. The principle of operation is to detect the impedance between Electrode and earth, so Model LZ is not affected by the conductive build up.

Operational Description

Model LZ detects impedance between electrode and earth ground. When the electrode is in water, impedance is low. But when the electrode is covered by oil, impedance is increased and output signal.

Application

- Oil leak detection for oil refinery, petrochemical, cogeneration, and power plant
- Oil leak detection for storage tank of crude oil and refined oil in oil refinery plant

Specifications

Model	LZ10	
Drawing		
Sensitivity	7mm ± 3mm (Thickness of oil slick)	
Operating Temperature	-20 to 50°C	
Maximum Pressure	Atmospheric	
Material	Body	Formed polystyrene with urethane coating
	Electrode	304SS
	Cable	PVC, dia 6.5 × 6m (VCTF 2 × 0.5mm ²)
Protection	IP67	

Model	LZ1100	
Drawing		
Supply Power	100 to 120/200 to 240V AC ±10%	
Power Consumption	Approx. 3VA (at 100V AC)	
Output Signal	No-voltage relay (SPDT), 250V 3A AC, 30V 3A DC (Resistive)	
Operating Temperature	-20 to 60°C	
Maximum Humidity	85 %RH	
Material	Body	ABS
Separation Distance	2000m Max.	
Protection	IP20	
Mounting	11-pin socket*1 (11PFA equivalent)	

*1 11-pin socket can be mounted on DIN rail.