

Oil film detector

This detector enables oil to be detected on the surface of the water instantaneously.

Prevent outflow of oil-contaminated wastewater

Prevent inflow of oil-contaminated water



Laser type Continuous monitoring/ immediate alarm action



Oil-contaminated water taken in as service water may cause serious damage to equipment.



Oil-contaminated wastewater may cause significant environmental pollution in rivers etc.

Our oil film detector

Detects oil film on the surface of the water due to differences in reflectivity between oil and water. The presence of oil film is continuously monitored and an alarm is given immediately.



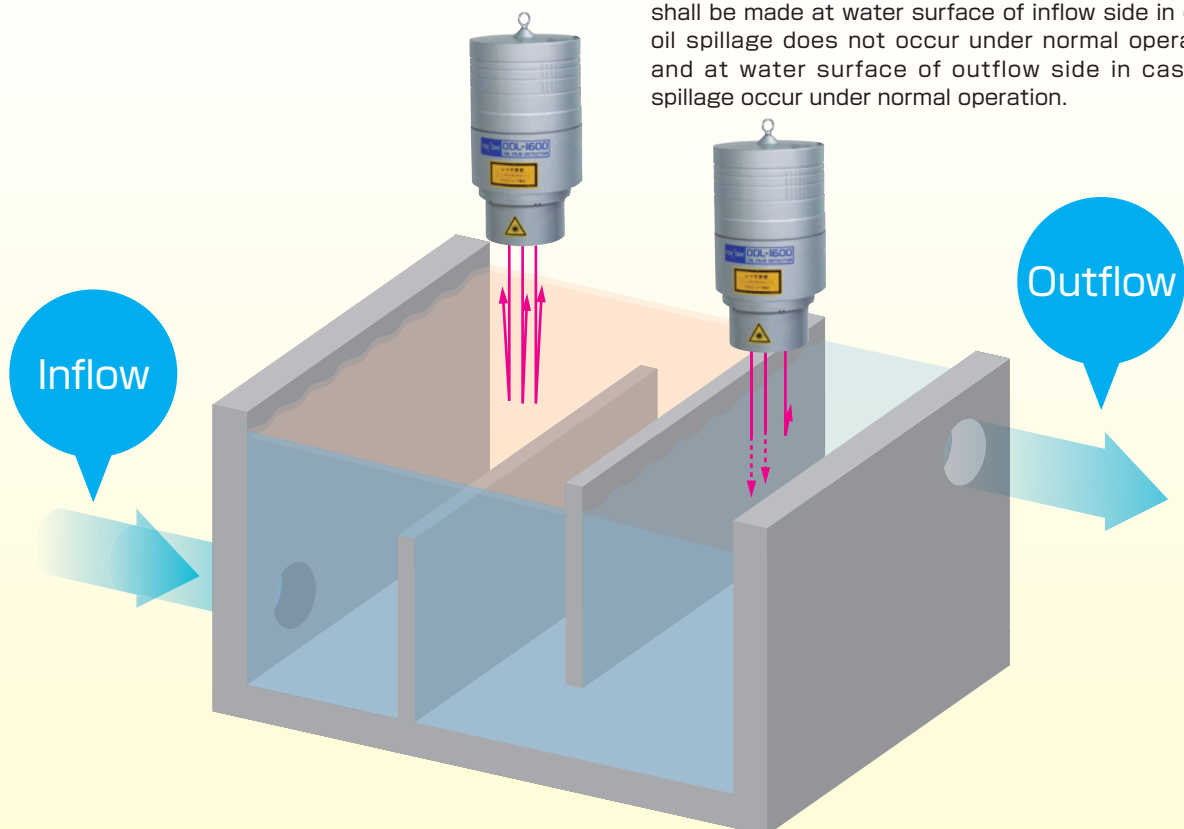
Early detection of oil-contaminated water allows prevention of serious damage or significant environmental pollutions.

Example usage



Oily water separator

When using an oily water separator, the monitoring shall be made at water surface of inflow side in case oil spillage does not occur under normal operation and at water surface of outflow side in case oil spillage occur under normal operation.

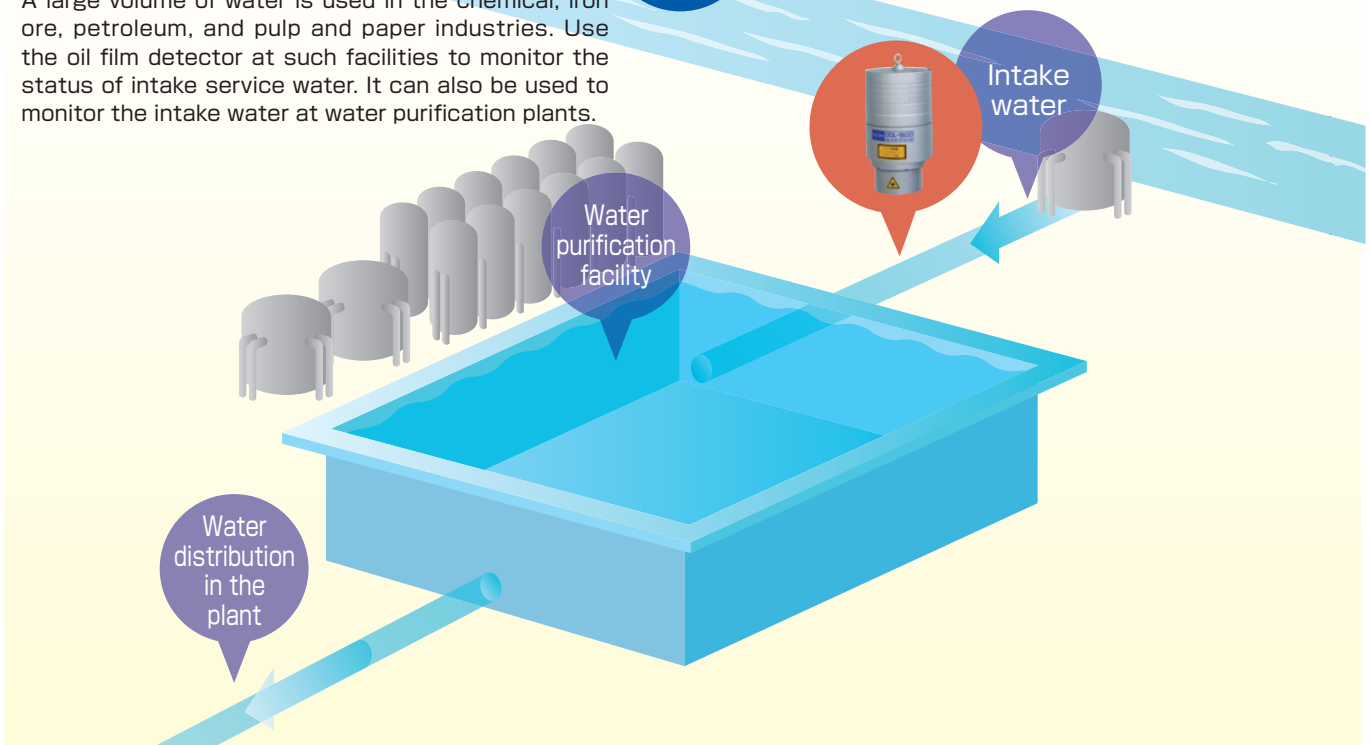


Installation Example

1

Monitoring intake water

A large volume of water is used in the chemical, iron ore, petroleum, and pulp and paper industries. Use the oil film detector at such facilities to monitor the status of intake service water. It can also be used to monitor the intake water at water purification plants.



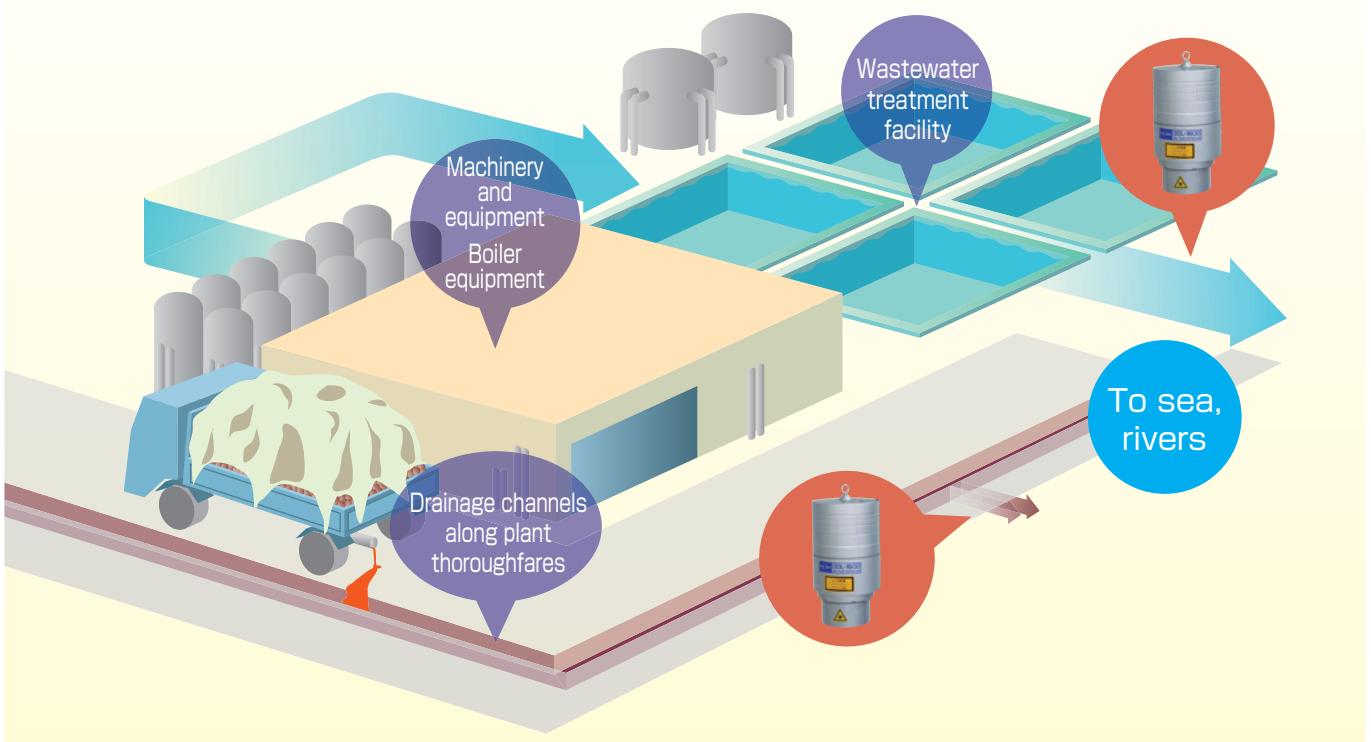
Installation Example

2

Drainage Monitoring

Grease and hydraulic oil are used across in the manufacturing industries, across all sectors. Various kinds of oil such as fuel, grease, and brake oil are used in all types of vehicles in plants. Installing the detector in the following places is an effective means to monitor the drainage of such oils.

- Monitor drainage at the outlet of wastewater treatment facilities located near facilities where fuel oil is stored, such as boilers, etc.
- In order to detect leakage of hydraulic oil and grease from machinery and equipment, monitor the outlet of facilities for treating the drainage from such equipment.
- In order to prevent oil leaking from plant vehicles, monitor at the outlet of the drainage channels.



Variety of models to meet your installation conditions

ODL-1600 Standard Model

- Detectable distance 0.3~3m



ODL-1610A Up to 10m detectable Long-distance model

- Detectable distance 0.3~10m



SODL-1600 Robust, Aluminum Explosion-proof type

- Detectable distance 0.3~3m

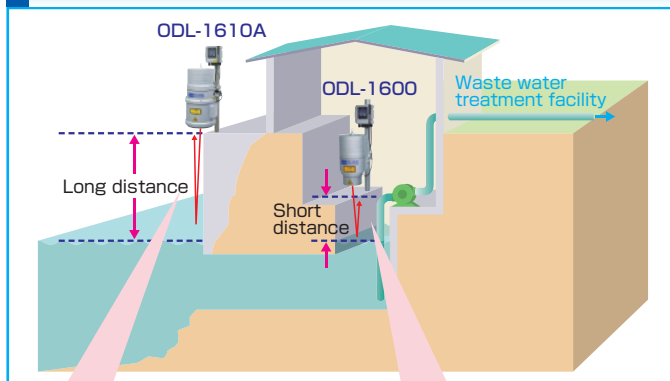


OF-1600 LED Small, Light-weight

- Detectable distance Approx. 0.5m



Installation example

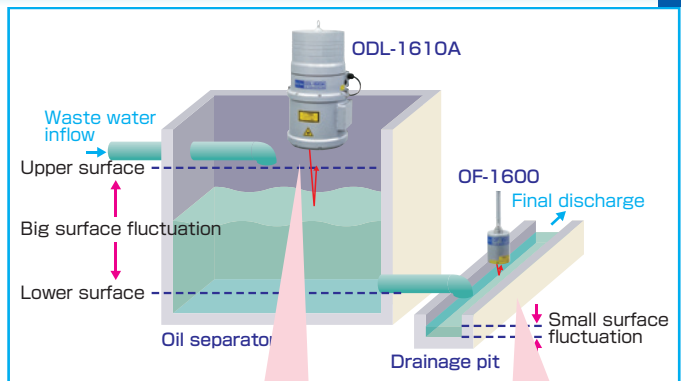


Distance between the installation point and the surface water is long:

**Long-distance model
ODL-1610A**

Distance between the installation point and the surface water is about 2m, and surface fluctuation is within ± 1 m:

**Standard model
ODL-1600**



Surface fluctuation is about ± 10 m:

**Long-distance model
ODL-1610A**

Distance between the installation point and the surface water is about 0.5m and there is no surface fluctuation:

**Small, Light-weight
OF-1600**

Please see the specification sheet for details.
You can download them from DKK-TOA website.

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CAUTION

Do not operate products before consulting instruction manual.



NISAN

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www.dkktoa.com.co/distributors_europe

<http://www.toadkk.co.jp/english>

Information and specifications are for a typical system and are subject to change without notice.