INFRASENSING ENV-LEAK-OPTICAL Optical Hydrocarbon Leak Sensor User Guide

INFRASENSING

ENV-LEAK-OPTICAL

Sensor Application Guide

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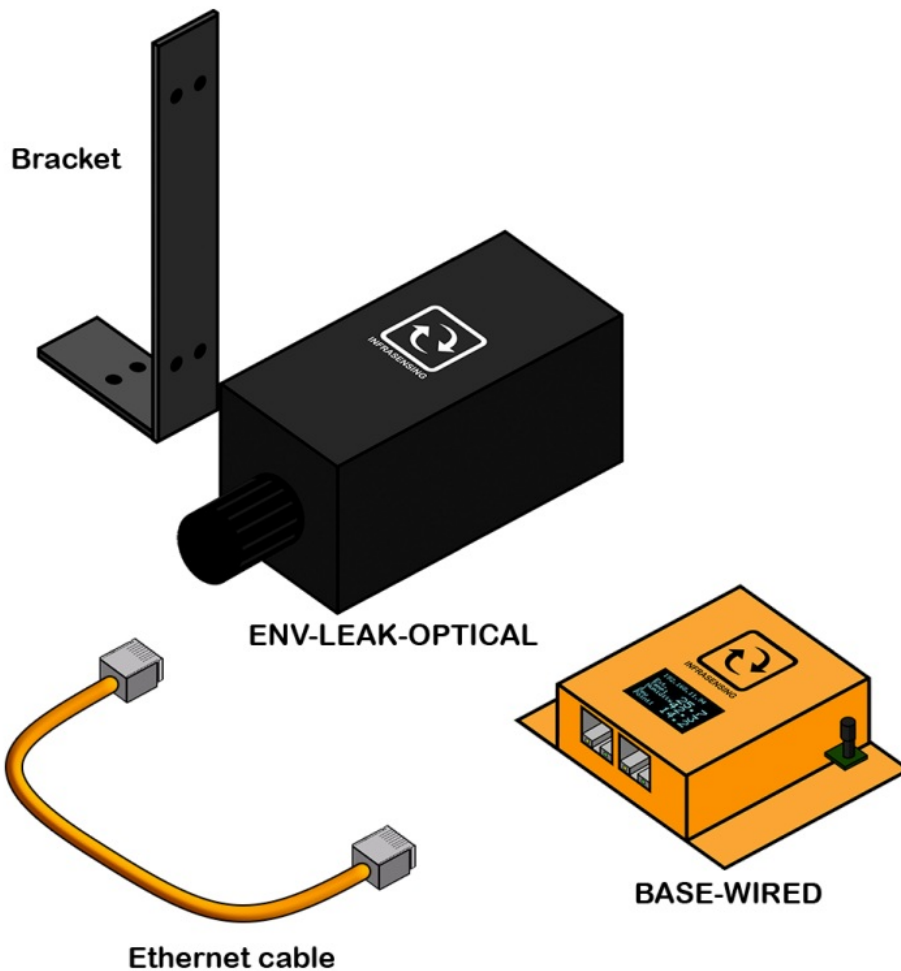
Sensor overview

The ENV-LEAK-OPTICAL is a contactless, reusable sensor to detect the presence of hydrocarbon in liquid form on surfaces.

View of the Sensor

This document will guide the users on how to properly install the sensor in different areas as well as do's and don'ts while using the product.

REQUIRED MATERIALS

Bracket

ENV-LEAK-OPTICAL

BASE-WIRED

Ethernet cable

Installation

1. Survey the area where you will mount the sensor. (possible source of oil leak)
2. Make sure that the area is clear of oil and contaminants.
3. The sensor will react differently depending on the type of surface:

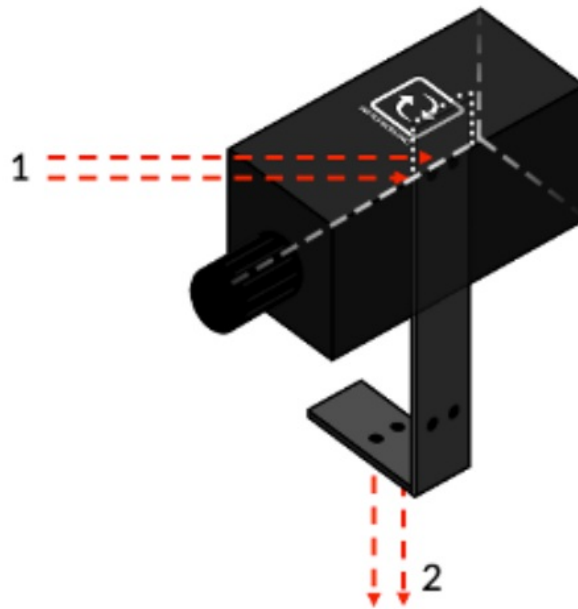| Surface	Example	Max height of the sensor from surface
Reflective	Tiles, Water, Glossy surface	10 cm
Nonreflective	Cement, Rough surface	5 cm

4. After determining the type of surface, we need to mount the sensor using the bracket at an appropriate height based on the table above.

Note: Height should be from the Sensor Window at the bottom towards the surface.

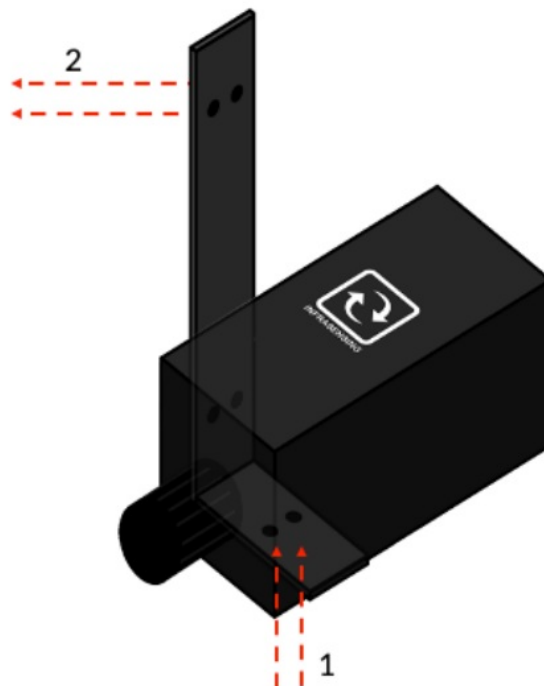## Suggested mounting positions

4.1. Floor mounting

1. As shown on the image below, use screws to mount the bracket on the side of the sensor.
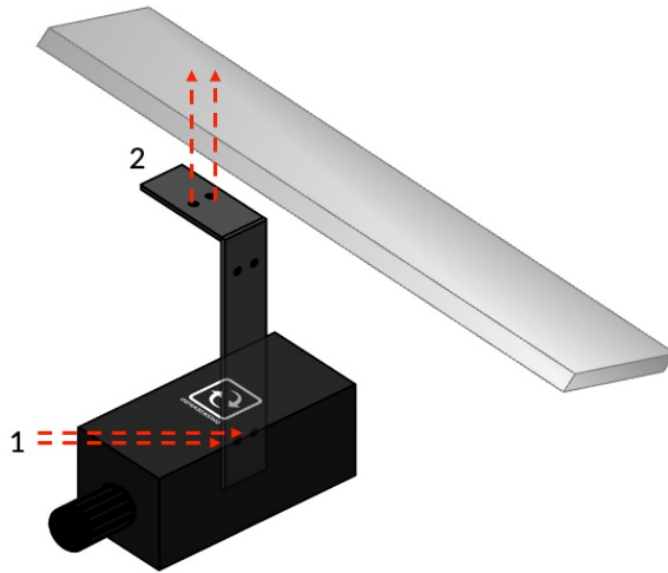2. On the surface or floor use screws to affix the bracket.

4.2. Wall mounting

1. As shown on the image below, the bracket fits on the latch at the side of the sensor.
2. Use screws to mount the bracket to the bottom part of the sensor.
3. Use screws to mount the bracket towards the wall.

4.3. Suspended mounting

1. As shown on the image below, use screws to mount the bracket on the side of the sensor.
2. Use screws to mount the bracket where it will hang onto.

Calibration Procedure

1. Access SensorGateway's Web interface for the calibration procedure.
2. On the sensor status page, click "Calibrate Leak Oil Sensor"

Accessing the SensorGateway is referenced starting at page 14.

http://manuals.serverscheck.com/InfraSensing_Sensors_Platform.pdf

3. Wait for 10 seconds for the calibration of the sensor.

Do's and Don'ts

The following must be observed when operating the ENV-LEAK-OPTICAL sensor:

6.1. Do's

- Keep the surface of the area clean for optimal detection.
- Use a microfiber cloth to clean the sensor window.
- Regularly check the sensor window if there are contaminants as this may affect accuracy.
- When moving the sensor to a different area, revisit the steps for mounting and calibration procedure.

6.2. Don'ts

- Do not place the sensor on surfaces such as wood and plastic.
- Do not place the sensor in dirty or sandy environments that may cause scratches to the sensor window.

- Do not use abrasive materials or harsh chemicals when cleaning the sensor window.
- Do not obstruct the sensor window.

Documents / Resources

ENV-LEAK-OPTICAL INFRASENSING Sensor Application Guide	**INFRASENSING ENV-LEAK-OPTICAL Optical Hydrocarbon Leak Sensor** [pdf] User Guide ENV-LEAK-OPTICAL Optical Hydrocarbon Leak Sensor, ENV-LEAK-OPTICAL, Optical Hydrocarbon Leak Sensor, Leak Sensor, Optical Sensor, Hydrocarbon Sensor, Sensor