

SPRING NEWSLETTER

Featured in This Edition:

Leakwise Introduces an Interactive Calculation Model to Estimate the Cost of Oil Spills!

Recognizing the significant risks that oil spills present to the environment, Leakwise are proud to introduce a new interactive model that provides a theoretical cost analysis of oil spill incidents. Understand the financial consequences associated with oil spills! **Head to page 3 to continue reading...**

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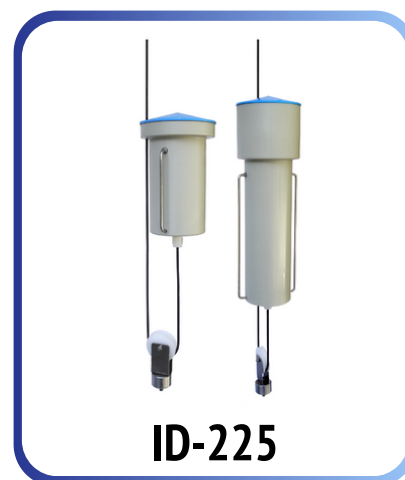
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We will be visiting IFAT in Munich, Germany, from May 15 to 17, 2024. Come meet us there! Please get in touch with us to coordinate a meeting: info@leakwise.com

Maximum Cable Length between the Sensor and the Controller

The integral cable supplied with the sensor can be extended with another cable after a connection inside an IP65 junction box, to the following maximum length:

Sensor Model	Gas Group	Wire Gauge	Maximum Cable Length (Meters)
ID-221 & ID-223	IIC (Hydrogen)	20 AWG or thicker	150
		22 AWG	1100
	IIA or IIB (Ethylene and Propane)	20 AWG or thicker	1800
		22 AWG	1100
	Non-hazardous	20 AWG or thicker	1800
ID-225	IIC (Hydrogen)	20 AWG or thicker	150
		22 AWG	550
	IIA or IIB (Ethylene and Propane)	18 AWG or thicker	1300
		20 AWG	900
	Non-hazardous	18 AWG or thicker	1300

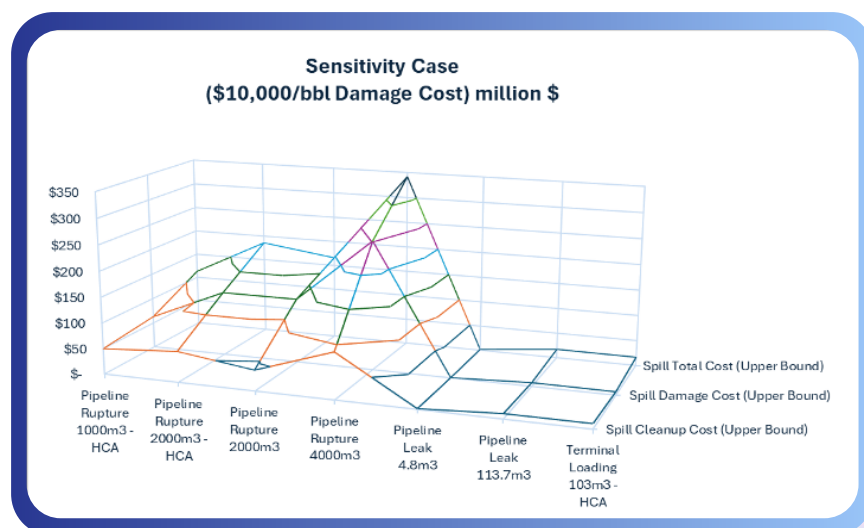


Note for IIC, IIB and IIA: Safety Barriers should be installed close to the signal processor in a safe area. Use a cable of 3 wires (gauge as described above), non-twisted wires inside jacket. Cable jacket should withstand 500 V RMS. The capacitance between each two wires should not exceed 200 pF/meter. The inductance of each wire should not exceed 0.7 μ H/meter.

Interactive Calculation Model to Estimate the Cost of Oil Spills

Leakwise is excited to unveil an interactive model that provides a theoretical cost analysis of oil spill incidents. Recognizing the significant risks that oil spills present to the environment and the operations of oil-related facilities, Leakwise's model serves as a crucial tool for understanding the potential financial consequences.

The model, rooted in extensive research including Dr. D. Etkin's 2004 work for the EPA and Dr. H. Ruitenbic's 2013 case studies for the Trans Mountain Pipeline Project, offers a range of cost estimates. It illustrates that expenses can vary from millions to potentially hundreds of millions of dollars, depending on factors such as the volume of the spill and the environmental impact.



Highlighting the importance of early detection, Leakwise advocates for the adoption of its oil leak detection sensors. The Leakwise sensors are designed to provide immediate alerts, within less than 30 seconds, enabling swift activation of safety measures to prevent environmental catastrophes.

The affordability of Leakwise's sensors, with a modest one-time investment, underscores their value in safeguarding against the extensive costs associated with oil spills.

Leakwise's commitment to innovation and safety is further evidenced by the successful deployment of over 6,500 units worldwide, across 50 countries. These sensors have proven their reliability and efficiency, operating continuously without the need for maintenance, save for routine testing. Investing in Leakwise's early leak detection is an economically prudent decision that can save money, protect the environment, and mitigate the severe risks that oil spills present to companies across the energy industry.

Please contact us to run the model with your dataset describing a theoretical oil spill event and we will get back to you with a detailed cost estimation calculation of such an event.

The importance of Early Detection and Monitoring of Oil Spills

The importance of leak detection in industrial tanks cannot be overstated, as it plays a critical role in environmental protection, regulatory compliance, and operational efficiency.

Here are some key reasons highlighting its significance:

1. Environmental Protection

Leak detection is vital for preventing potential spills and leaks that can lead to soil and groundwater contamination, posing serious threats to the environment and human health.

2. Regulatory Compliance

Stringent regulations, such as those set by the United States Environmental Protection Agency (EPA), mandate the regular testing and maintenance of leak detection systems for underground storage tanks (USTs). Compliance with these regulations is essential to avoid penalties and ensure the highest level of environmental protection.

3. Preventive Maintenance

Regular testing of leak detection systems, including automatic tank gauges, sensors, and alarms, helps identify potential leaks early, allowing for immediate action to prevent environmental damage.

4. Operational Efficiency

Leak detection systems enable close monitoring and control of chemical storage levels, ensuring proper chemical management and high productivity. Early detection of leaks also helps prevent equipment damage and downtime, ultimately improving operational efficiency.

5. Public Safety and Trust

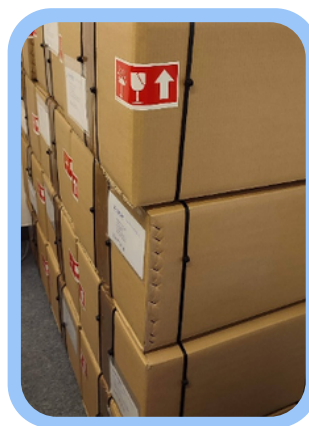
By demonstrating a commitment to environmental protection through compliance with leak detection regulations, industries can build public trust and enhance their reputation



More updates from LEAKWISE

Did you know...

Leakwise's factory and offices are located in a rural community surrounded by green fields. We have products being packaged and shipped from our factory almost every day.



Did we see you recently?

Leakwise's products have been to various events in the past few months. It was great to speak to customers and raise awareness of our solutions through our StocExpo presentation. Next, we will be visiting IFAT in Munich, Germany, from 15th to 17th May 2024. Come meet us there! Please get in touch with us to coordinate a meeting: info@leakwise.com



📍 Tank Storage Association, UK



📍 ADIPEC, Abu Dhabi



📍 Argentina Oil and Gas



📍 StocExpo, Rotterdam