



## Leak Detection of Petroleum Storage Tanks

### The Problem

Environmental regulations require that petroleum underground storage tanks (USTs), above-ground storage tanks (ASTs) and associated piping are monitored for leaks in an attempt to halt the continued detriment of the soil and groundwater quality. These measures are also designed to prevent future petroleum releases from contaminating the environment. In addition to corrosion protection and spill/overflow protection measures, owners and operators now must have leak (release) detection measures installed.

### The Solution

A.T. Monitors offers a wide variety of sensors that are custom designed to meet your leak detection needs. For double-wall USTs, we offer the ATI-5007B Dual Liquid Sensor which is designed to monitor for both water seepage from the outer shell and petroleum leaks from the inner shell. For above ground storage tanks (ASTs), the ATI-5016A Petroleum Sensing Cable detects petroleum leaks from the inner tank.

For tanks with brine in the interstitial space, we offer the ATI-5010S Sump Brine Sensor to detect changing levels of brine due to leaks in the inner or outer wall.

We also offer the ATI-5008 Vacuum Sensor to quickly detect a loss of vacuum in the interstitial space of double-walled petroleum storage tanks.

All our interstitial monitoring sensors can be connected to either the ATI-5100, ATI-6107 or ATI-1503 monitors for immediate notification of a leak. The monitors can either be connected to an audio alarm for supervised areas or the Murphy Tracer for remote, unsupervised installations.



### Additional Information

If you have additional questions, check individual product data sheets available on our website, or contact us for recommendations and an estimate for material.



**A.T. MONITORS**

A division of Armstrong Technologies Inc.

14 Birch Drive  
Kemptville, Ontario  
K0G 1J0, CANADA

Phone: 613-258-5225  
Fax: 613-258-2698  
E-mail: [info@atmonitors.com](mailto:info@atmonitors.com)  
Internet: [www.atmonitors.com](http://www.atmonitors.com)