WaveAlert® VII Leak Detection System

- High Sensitivity
- Fast Response
- Accurate Leak Location

Detect Pipeline Leaks at the Speed of Sound
WaveAlert® VII monitors the pipeline for a characteristic line pressure drop due to a sudden leak. This pressure signal travels at the speed of sound in the pipeline. By accurately determining times of arrival at two locations, the leak is located.

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Rapid Response
Time to detect is limited only by the speed of sound in the pipeline, distance between monitors, data communications time and computational time. Detection times are typically 15 seconds to 1 minute. You are alerted to any problem before the public is involved.

High Sensitivity
Typical detection sensitivity is 1 to 3 percent of nominal flow for liquid product lines. In gas pipelines, hole diameters of 2 to 10 percent of pipeline diameter are detectable. Rapid response and high sensitivity mean less product on the ground.

Low False Alarm Rate
Acoustic Systems has twenty-one years background in Acoustic Leak Detection in both liquid and gas pipelines. Extensive research efforts provide a system incorporating numerous advanced techniques for achieving high sensitivity with minimum false alarm rate.

High Reliability - Low Maintenance
WaveAlert® VII Processors feature proprietary designs with CMOS components for low power requirements with high reliability. The rugged system requires no periodic calibration and only minimum maintenance after installation.

Adaptable
Personal Computer based systems can be provided for stand alone applications or input/output can be interfaced with the user’s mainframe computer with SCADA software.

For further information, write or call:
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