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## Acoustic Sensors for Detecting Gas Leakages

Acoustic Gas Leak Detectors "hear" when pressurized gases escape from vessels or pipelines. Especially effective when installed near points that are known to fail such as elbows or devices that may be eroded by sand in the flowline.

Detection doesn't depend on the wind; the sound travels in all directions and reaches the sensor when gas is escaping. Therefore it provides a more reliable coverage than combustible gas detectors.



No false alarms. Unit can discern the difference from normal noises such as compressors, trucks, railroads, etc. and responds only to the sounds associated with gas leakage. They do this by using a microcontroller that identifies the ultrasonic acoustic signatures that are associated with escaping gas.

The acoustic monitors are normally installed within 30ft from the potential failure point, which are typically the 90° elbows and chokes. Longer distances are not recommended because the signature sounds are quickly absorbed by the environment and detection becomes less reliable.

Units can be configured and adjusted in the field for sensitivity and time delays that may be desired for each particular application.