

RMLD

Remote Methane Leak Detector

- THE NEXT GENERATION IN LEAK DETECTION

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The RMLD transceiver is able to illuminate a remote surface up to 100 feet away with its laser beam and measure the amount of target gas along the line of sight illuminated by the laser beam.

The RMLD display provides concentration readings, configurations of instrument and self test for RMLD.



Barriers to Current Technology



Locks

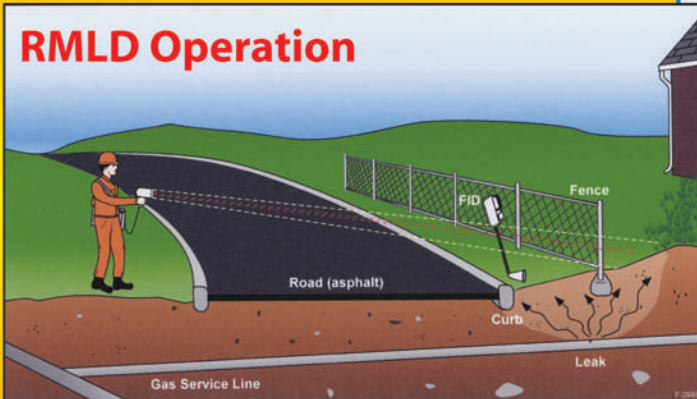


Fences



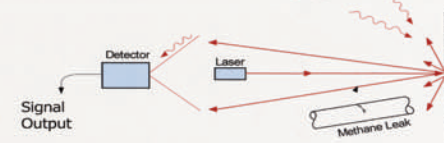
Dogs

RMLD Operation



Do not need to be in gas plume

Technical Approach



- Laser light beam is projected onto a surface
- A fraction of the beam is reflected and returned to the transceiver
- Methane in the laser path creates a distinct signal in the returned light
- Returned light is collected and focused onto a detector and converted to an electronic signal
- Methane readings are displayed in ppm-m