

pressureMonitor



The pressureMonitor captures pressure and vacuum readings at key landfill infrastructure locations where it is deployed, providing critical visibility into site conditions and system influence. By continuously tracking pressure trends, it helps operators detect migration risk early and validate the effectiveness of gas collection systems.

Designed for flexibility, it supports standalone cellular connectivity or can be integrated into site power systems (120V AC or 24V DC). Data is captured every 5 minutes, with averages uploaded to Apis Cloud at user-defined intervals to ensure actionable insights while maintaining detailed internal logs for minute-by-minute tracking.



Main Benefits



Cost-Effective Deployment

Lower upfront investment with flexible, streamlined installation.



Enhanced Monitoring

Proactive system management with high reliability and uptime.



Smarter Equipment Decisions

Access accurate site data to determine the right equipment configuration.



Continuous Data Visibility

Time-stamped data provides consistent insight into system behavior and trends.

Parameters Measured

Sensor Parameter	Range	Accuracy
Well and Wellfield System Pressure	-5 to 5 <i>in w.c.</i> -135 to 135 <i>in w.c.</i>	± 0.15 <i>in w.c.</i> $\pm 0.25\%$ of reading
Differential Pressure	-2 to 2 <i>in w.c.</i> -27 to 27 <i>in w.c.</i>	± 0.01 <i>in w.c.</i> $\pm 0.25\%$ of reading
Gas Temperature	-40 to 257 <i>degrees F</i>	± 1 <i>degrees F</i>
Barometric Pressure	8.9 - 32.5 <i>in. Hg</i>	± 0.03 <i>in. Hg</i>