



NATURAL GAS PIPELINE MONITORING

PRODUCT: Model 209

APPLICATION DETAILS:

Natural gas pipeline monitoring handles gas distribution encompassing monitoring, alarming, data recording and valve control management. These can be configured with pressure transducers for the particular application. Within the panel there is a custom designed high efficiency solar charging station with charge regulation to maintain a sufficient charge of the on board battery.

CUSTOMER PROBLEM:

Old system for recording data was manual, slow, and costly to capture

The previous customer's design incorporated a strip-chart recorder for monitoring the pressure of the natural gas inside a transmission and distribution grid. This was costly from a maintenance and consumables front (labor, ink, paper). These modules are located in remote areas, sometimes underneath the ground in cement enclosures. Gas companies can have thousands of enclosures to service, resulting in exorbitant maintenance fees.

SETRA SOLUTION:

Setra was able to provide a pressure transducer that is compatible with natural gas that converts the gas pressure to an analog output signal. This signal is then fed into the controller and used to monitor the flow of natural gas throughout the distributor cycle.

SETRA STRENGTHS

- Wide Available Pressure Range
- Small Form Factor
- High Price-to-Performance Ratio
- High Reliability
- 17-4 Stainless Steel Wetted Components



WHY SETRA WON:

Provided higher performance solution which saved time and money

The customer's product solutions for the Natural Gas Transmission Distribution Industry help increase transmission distribution efficiency and maintain system integrity by providing real-time data, field instrument operation status, remote control and critical alarms to system operators. The customer was looking for reliable pressure transducers for the application with the following ranges: 0-30" W.C. (0-1 PSIG), 0-200 PSIG, 0-250 PSIG and 0-3000 PSIG. The customer chose Setra due to the favorable price-to-performance ratio that the 209 provides and because Setra developed a custom 209 range that met their 0-30" W.C. requirements.

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