
Product	800 Series Pressure Transmitter
Application	Casing and Tubing

The Application

Oil and gas production companies use analog transmitters for monitoring the casing and tubing pressures of individual wellheads. This provides cost effective continuous monitoring at a wellhead site.

These transmitters are sometimes installed inside an enclosure with an isolation valve for each. When isolated, a pressure source can be connected to the transmitter for calibration purposes. Continuous transmitters are also be used for:

- Determining the proper timing of the artificial lift to optimize well production
- Turning auxiliary equipment “on and off”, i.e. gas compressors, pumps, etc.
- Helping calculate flow by feeding pressures into a flow meter device
- Providing record keeping

The Challenge

To avoid damage when ‘workover’ crews come to service the wellhead, the casing and tubing pressure transmitters are often remotely located as shown here. Finding a low cost transmitter capable of withstanding the rigors of an oil field application can be a challenge. In this case, the competitor’s product was actually being crushed when crews used a pipe wrench for installation.

The Solution

Another transmitter was not lasting long enough and the customer needed a more durable product. The SOR® 800 series pressure transmitter was used because the housing is cast stainless steel and was designed for harsh and rugged environments such as this.

Benefits of using the 800 series:

- Low cost of ownership
- Robust cast housing
- Explosion proof
- Hermetically sealed
- Three year warranty

The Result

This customer no longer has to continually replace transmitters due to crushed housings, and continues to buy the 800 series from SOR.

