

# PRESSURE APPLICATION

## Application

## The Challenge

## The Solution

# 805PT Pressure Transmitter

## Pilot Plants

An industrial pilot plant is built on a small scale, so problems can be identified and solved before the larger investment is made. Because pilot plants are undersized, they require compact instrumentation. A global chemical corporation recently built an industrial pilot plant at an existing chemical production facility in the state of Michigan, U.S.A. Designers of the pilot plant required a low-cost, rugged, compact, non-incendive pressure transmitter with a 1/4" process connection to measure feed line pressures in various locations on an R&D Batch Reactor Process.

The [805PT](#) loop-powered pressure transmitter was the ideal solution. Its compact, cylindrical form (6-3/32"L X 1-11/32"W) required a minimal amount of space and was ready out-of-the-box. SOR® calibrated the 805PT at the factory per the customer's specification; therefore, no configuration or modification was required after installation. Other features of the 805PT that impressed the designers of this pilot plant were ...

- 316 stainless steel hermetically sealed enclosure
- NEMA 4X/IP66 housing
- 17-4 stainless steel sensor (no O-Ring)
- 0.25% accuracy
- 4-20 mA/1-5 VDC output
- EMI/RFI protection
- FM & ATEX approvals for use in hazardous locations.



The 805PT is the ideal process instrument for pilot plant applications. It carries a 3 year warranty and the zero & span set points can be adjusted in the field via the SOR calibration kit.



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