



**800 Series Pressure Transmitters
with LCD Digital Indicating Displays**

Product 800 Series Pressure Transmitter
Application Monitoring Pump Inlet & Outlet Pressure
Industry Water & Wastewater

Challenge KSB, a pump manufacturer in China, was providing pumps for a municipal water project. Previously the pump manufacturer had been incorporating Rosemount's 3051 Series pressure transmitters into their design for the purpose of monitoring the pump inlet and outlet pressures. Although Rosemount's 3051 provided them with accurate measurements, the mounting style of their transmitter was not very convenient for the pump manufacturer. For Rosemount's 3051 transmitter to be used in the design, it required the OEM to remotely mount the transmitter onto an instrument panel with lines running back to the pump inlet and outlet to sense pressure. This mounting arrangement increased the cost and workload for both the pump OEM as well as the end-user of the plant – the pump manufacturer needed a transmitter with simpler mounting options, while still maintaining the required measurement accuracy.

Solution SOR Sales Representative, SLD, hosted a technical seminar with the pump OEM and introduced them to the SOR 800 Series Pressure Transmitters. The pump OEM was very satisfied with the 800 Series mounting options, as they can directly mount it to their pipeline using the 1/2" NPT(M) standard connection option. The small, stick-style form of the 800 series meant there was no concern with sizing limitations – furthermore, the pump OEM also wanted an LCD indicator so operators can check the pressure locally; using the "IN" accessory option, SOR was also able to incorporate an LCD display while still maintaining the compact size. The 800 series met all of the OEM's requirements and after a trial period, the OEM began using the 800 series as the standard pressure transmitter for the municipal water project.

For another example of SOR 800 Series Pressure Transmitters used in Pump Applications, see Application Note: Monitoring Pump Performance (Form 1753).