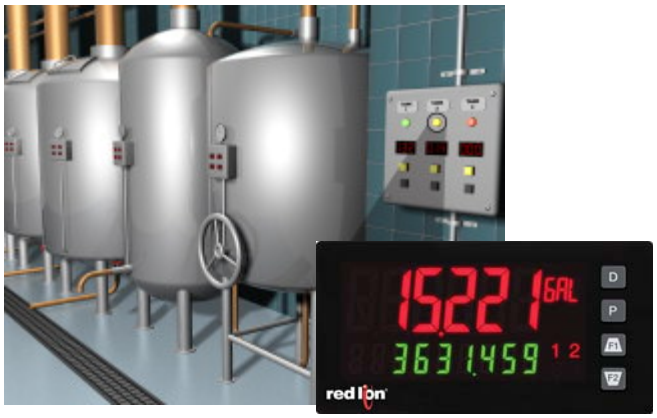
APPLICATION SOLUTIONS

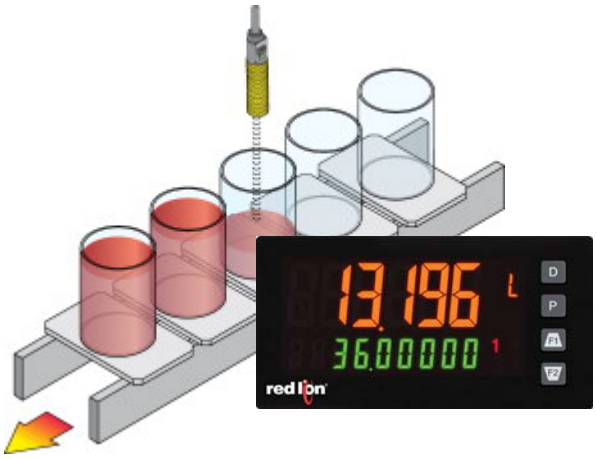
Application #1 – Tank Monitoring



Many applications require monitoring two variables at the same time. In this case, being able to monitor the flow rate into the tank and the total material in the tank is extremely helpful to the operator. The new PAX2A can easily be programmed to display both variables at the same time; using the top line display to measure the flow rate in gallons per minute, while the second line can track the total gallons already in the tank. Not only can both these variables be monitored, they can be controlled as well with the addition of a setpoint card. Using a HI and Lo setpoint to keep the flow rate within the desired limits and assigning alarms to the total display will insure the tank does not run out or overflow. By adding a communication card, all the variables can be monitored or changed from a remote location.

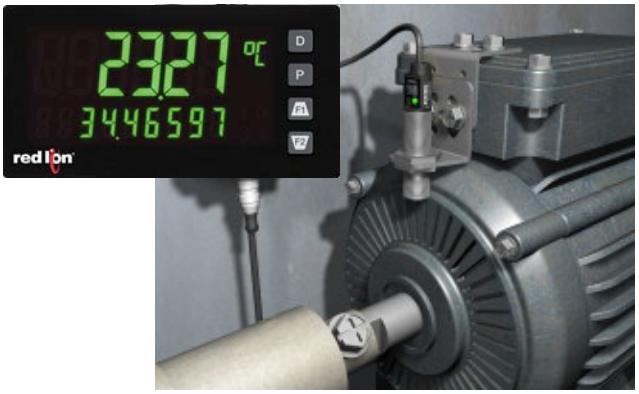
Sure PLCs could do this job, but than you have the cost of the PLC, including software, support, programming and maintenance. Any one can program and maintain a panel meter eliminating the overall cost burden.

Application #2 – Liquid Filling



Proper material level is essential to a production line to insure every product is properly packaged. The PAX2A can accept the input from an ultrasonic sensor and stop the filling process when the liquid reaches the proper height. Using the PAX2A as the controlling device, the setpoint can provide the stop once that level is reached. The top line can indicate the actual level during the filling process, while the bottom line displays the goal or setpoint.

Application #3 – Motor Temperature Monitoring



Maintaining the proper motor temperature can help prolong the life span of a motor. As friction builds over time, the motor tends to increase in temperature. Once the temperature gets to a certain point, damage may occur leading to costly repairs or replacement. By monitoring the temperature, maintenance can be scheduled before any issues may arise. In this case, setpoints could be added to alert operators that it is time for service. A second setpoint could be added to automatically shutdown the motor once it reaches a critical temperature.