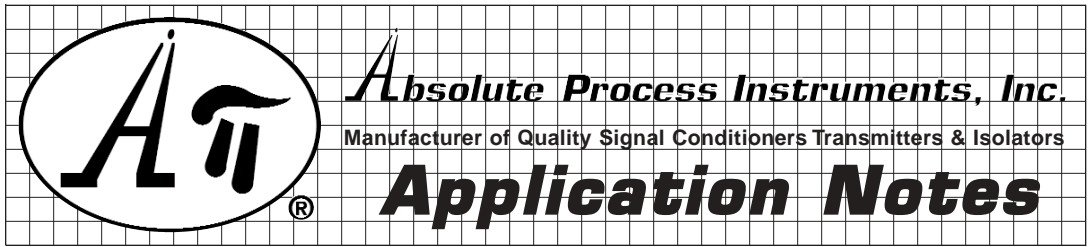


- General Info
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Process



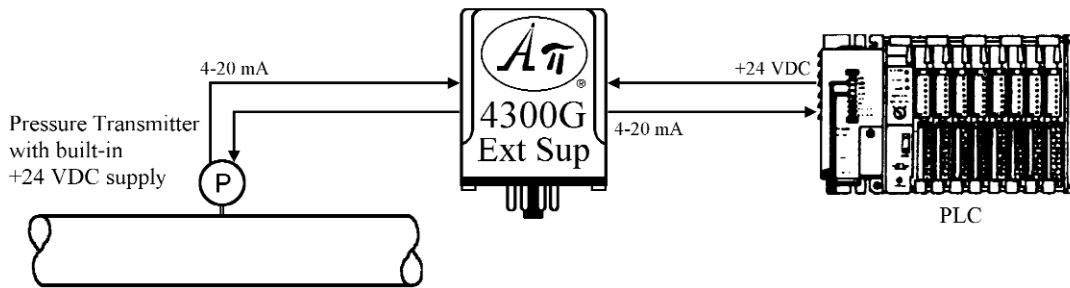
Monitoring Pressure with a PLC

PROBLEM

A pressure transmitter with an internally powered 4-20 mA output must be monitored by a programmable logic controller (PLC) for use in control of a process, but the 4-20 mA input of the PLC is also powered from the PLC's built-in power supply. The standard **API 4300 G** Isolated DC to DC Transmitter generates a 4-20 mA output at a 20 V compliance voltage. The output of the module would conflict with the power generated by the PLC input channel.

SOLUTION

An **API 4300 G EXTSUP** Isolated DC to DC Transmitter module with External Supply modification will allow the pressure signal to be transmitted to the PLC's powered input.



The external supply modification uses the +24 VDC power supplied by the PLC and regulates the 4-20 mA output signal in proportion to the input signal it receives from the pressure transmitter. The 2000 VRMS isolation of the module protects against unexpected ground loops and electrical noise.



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Did You Know...?

The external supply modification is available on Api modules with other input types.