

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



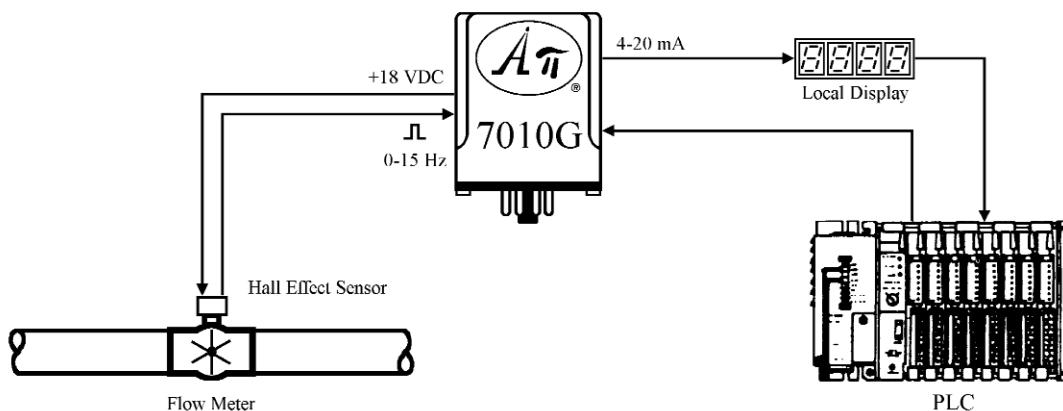
## Using a Hall Effect Flow Sensor

### PROBLEM

An accurate flow measurement is required at low flow rates for a process controller. A local display is also desired.

### SOLUTION

Hall effect sensors are recommended when the output frequency from a flow meter over any part of the application flow range is 15 Hz or less. This frequency typically occurs at approximately the 10 to 1 turndown point for flow meters.



An **API 7010 G** Isolated Frequency to DC Transmitter module provides the DC power for the Hall Effect sensor from its built-in loop excitation supply and converts the 0-15 Hz flow signal into a 4-20 mA signal to drive the local display and the PLC. The 2000 VRMS isolation protects against unwanted ground loops and electrical noise.



**FREE APPLICATION ASSISTANCE**  
 Call  **Customer Service**  
**800-942-0315**

### Did You Know...?

For frequency inputs of 0-100 Hz or greater, select the **API 7580 G** which is field rangeable up to 0-30 KHz.