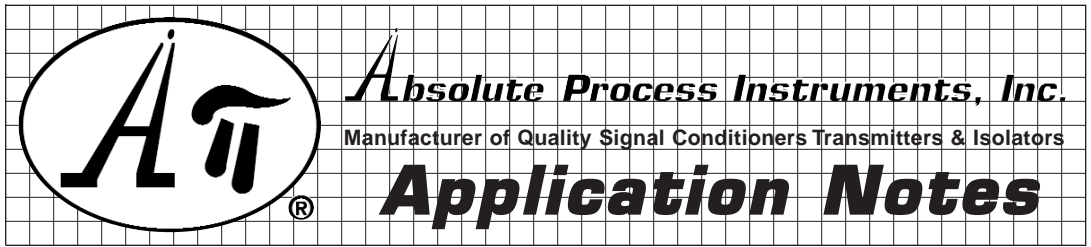
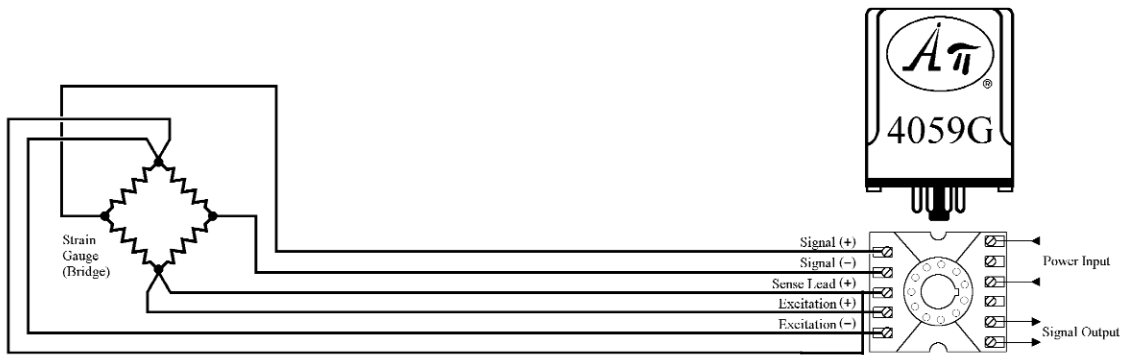


- General Info
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Process



When Does Six Make Sense Over Four?

Many strain gauges (bridges) are located a considerable distance from the Api Strain Gauge Signal Conditioner. The long leads add an additional lead resistance which can result in a drop in the excitation supply voltage at the bridge and unwanted errors in the measurement. Although the excitation supply on all Api Strain Gauge Signal Conditioners is adjustable, it is suggested a six wire bridge be used to compensate for variations in the lead resistance due to temperature changes. The additional two wires are called Sense Leads.



The **API 4059 G** Isolated Strain Gauge Signal Conditioner accepts a Sense Lead input. Internal circuitry in the module monitors the voltage drop in the bridge leads and automatically compensates the excitation voltage at the module so the actual excitation voltage at the bridge remains constant. Due to the design of the **API 4059 G**, it is only necessary to connect one of the sense leads for the feature to be effective.



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

Did You Know...?

The **API 4059 G** is optically isolated, has non-interactive zero and span adjustments and is field rangeable for input, output, excitation and tare offset. Only a screwdriver is required to make the changes.