

Absolute Process Instruments, Inc.

Manufacturer of Quality Signal Conditioners Transmitters & Isolators

Application Notes

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

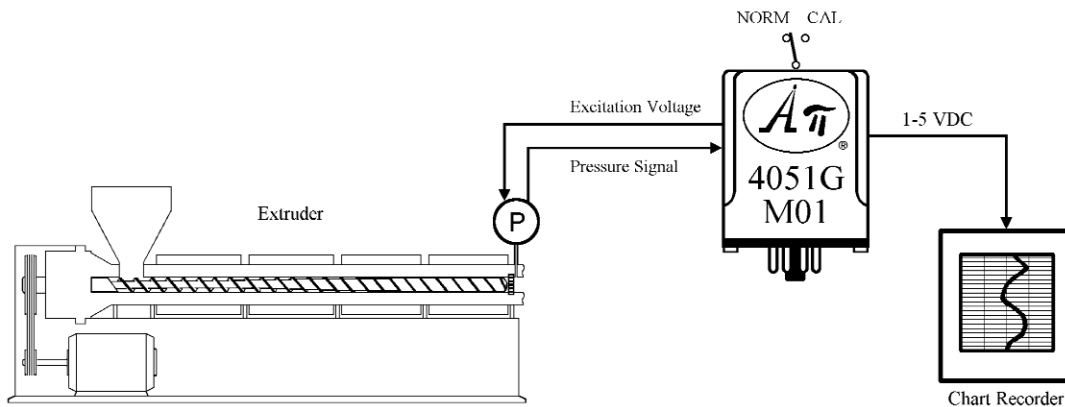
Calibration of a Pressure System

PROBLEM

The pressure of an extrusion process is to be monitored and charted. To ensure ongoing accuracy, the pressure monitoring system must be capable of frequent calibration without having to use any external test equipment.

SOLUTION

An **API 4051 G M01** Strain Gauge (Bridge) Input to DC Transmitter module provides the excitation voltage for the pressure transducer and provides the 1-5 VDC output required by the chart recorder.



The **API 4051 G M01** has an internal calibration resistor to unbalance a 350 ohm bridge to an 80% of span value when the test switch is in the CAL position, allowing for convenient and accurate calibration.

Did You Know...?

That the **API 4058 G4** and the **API 4059 G** are field rangeable and can drive up to four load cells.

FREE APPLICATION ASSISTANCE

Call  Customer Service

800-942-0315

