

# Monitoring pressure transducer

## APPLICATION A184

Type of Company: Consulting Engineer, Plastics Extrusion

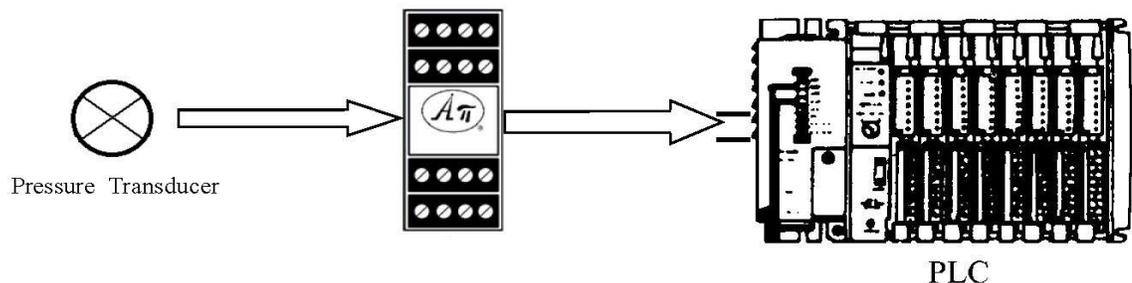
Location: North Carolina

This company is an engineering firm that provides, among other services, engineering and technical consultation for the extrusion industry. Their current customer manufactures polymer monofilament guitar stings and stranded nylon strings, which are used for musical instruments. These processed strings are round and even throughout their length which avoids the disadvantage of tuning sensitivity from humidity changes and gives them greater strength.



## The Engineering Issue

- The current system has an installed Dynisco pressure transducer, and their engineer requires an interface device for an upgrade to a Siemens PLC.
- This interface device must be able to supply the required excitation, be field rangeable, be easy to calibrate and be able to be changed from sink to source if required.



The engineer used an APD 4059. The APD 4059 supplies the excitation voltage for the pressure transducer and allows the engineer to not only change the range but also gives him offset capabilities. The APD 4059 can be changed from a sinking output to a sourcing output by changing the output wire hookup positions, and provides optical isolation.

**Problem. Solved.**

