

API-Cecom Group *n'fo*

Technical & Application Note A113

Application: Monitor high speed strain gauge pressure sensors

Type of Company: Manufacturer — Tablet and punch presses

Location: Pennsylvania

Problem: This customer manufactures punch and die / tablet press tools, Blister Packaging Tooling, rotary Tablet and Pellet Presses, and Tablet Press Control Systems. These products are used in the pharmaceutical industry, industrial tooling such as fireplace log manufacture, as well as blister packaging for products. The customer required signal conversion/isolation for a specialized fast responding strain gauge signal due to the fact that the sensor signal conditioning is largely accomplished via external signal conditioning. The sensor signal conditioning they were using was an older signal conditioner manufactured by a company no longer in business so replacement units are not available and the currently installed units are becoming unstable due to age and use.

Note: for additional information on this process see <http://en.wikipedia.org/wiki/Tablet>

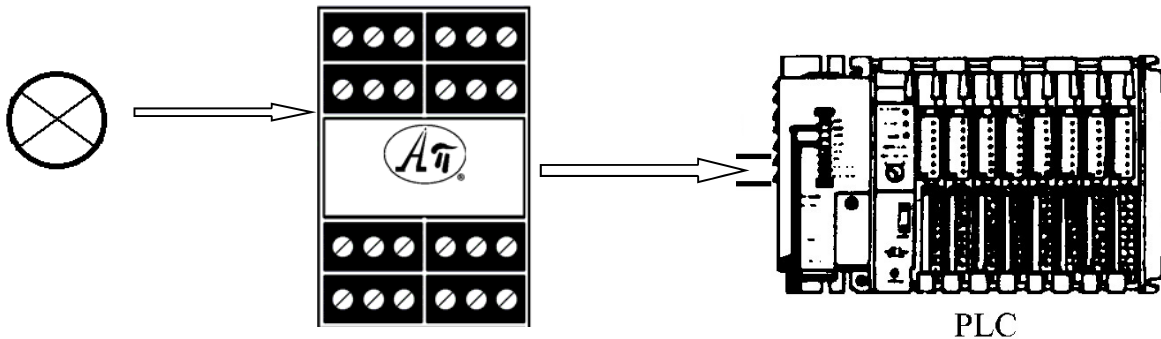
Solution: API designed a modified version of one of their existing APD series of strain gauge isolators and then assigned a unique customer part number to the product.



Customer Specified Custom Unit



Photo by Elizabeth-Hata International Inc



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