

### Gas Chromatograph Flame Ionization Detector

#### GT210 Transducer and GH 22 Relay Application

A Gas Chromatography Flame Ionization Detection System uses a flame to ionize the various elements in the same being analyzed. This flame comes from an acetylene cylinder, which is regulated by an ITT Conoflow HP700 Two-Stage High Pressure Regulator.

The acetylene is controlled by an ITT Conoflow GT210 I/P Transducer and a GH22 1:1 Booster Relay. The ionized elements are detected and the results graphed on a strip chart recorder, which allows determination of the elements present and their quantity within the sample.

