

# Capillary FID GC System

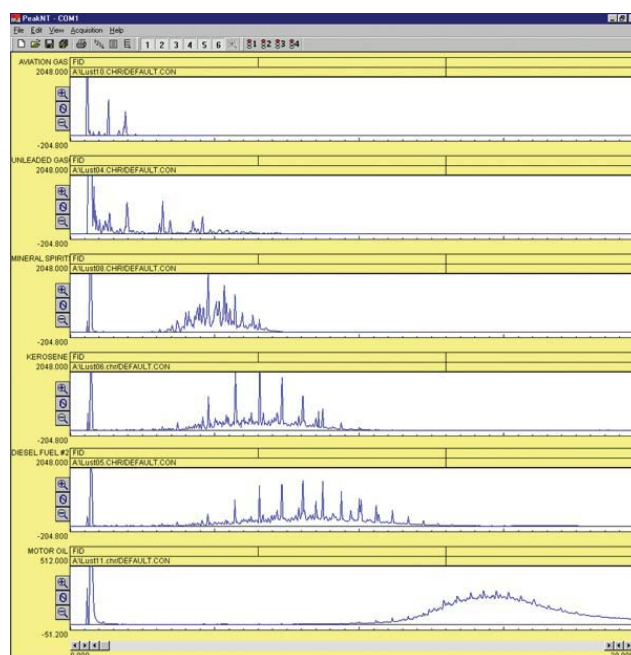


- **FID Detector**
- **30 meter Capillary Column**
- **Built-in, “whisper quiet” Air Compressor**
- **1 Channel PeakSimple Data System**
- **On-Column Injector**
- **...on the compact 8610C chassis**

The Capillary FID GC System is a state of the art, general purpose, temperature programmable GC in a compact, low-cost package. It includes everything you need to separate and detect fuels and other hydrocarbon compounds. In addition to a wide range of general gas chromatography applications, the Capillary FID GC is excellent for both environmental and quality control applications.

The 30 meter capillary column can efficiently separate hydrocarbons up to  $C_{40}+$ . The On-column injector for 0.53mm capillary columns is good for liquid and gas samples with high and low boiling analytes—no boiling point discrimination. The built-in, “whisper quiet” air compressor provides a nearly silent supply of combustion air for the FID detector, so an air cylinder is not required for most applications. The optional Split/Splitless injector upgrade allows for the use of 0.32mm, 0.25mm and smaller capillary columns. The optional SRI  $H_2$ -50XR hydrogen generator can supply enough hydrogen for carrier gas and FID combustion gas, including enough to operate a Split/Splitless injector for short periods.

These six chromatograms resulted from analyzing various fuels with an SRI Capillary FID GC System. The chromatograms reveal the characteristic hydrocarbon range and fingerprint of each fuel. All six runs were performed under identical conditions.



**8610-5400**

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OPTIONS & UPGRADES: split/splitless injector, PTV injector, additional detectors with 4 channel serial or 6 channel USB PeakSimple data system, Methanizer, gas sampling valves, additional column(s),  $H_2$ -50XR hydrogen generator, autosampler. (VOLTAGE: for 110VAC, use 8610-5405-1; for 220VAC, use 8610-5405-2)