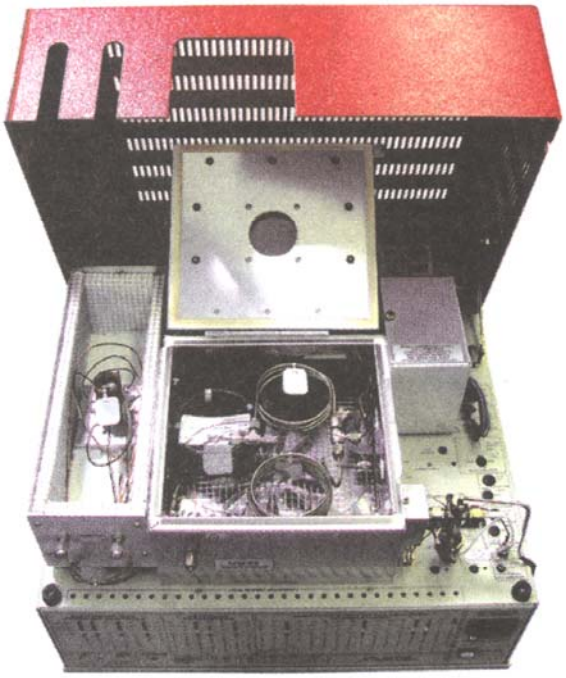
Multiple Gas Analyzer + Sulfur GC Systems

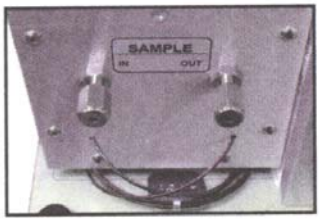


- ***Multiple Gas AND Sulfur Analysis in one unit***
- ***Uses just 1 Gas Sampling Valve and 3 Columns***
- ***Room temperature Silcosteel Sample Loop***
- ***Built-in, "whisper quiet" Air Compressor***
- ***4 channel PeakSimple Data System***

...on the compact 8610C chassis

Many analysts require natural gas analysis for BTU value calculations or drilling and mudlogging applications. Frequently, sulfur compounds are also of interest.

Because low sulfur concentrations (<50ppm) are difficult to measure, SRI has enhanced our popular Multiple Gas Analyzer GCs to simultaneously monitor low levels of sulfur compounds. The additional hardware required is an FPD/FID detector, which selectively detects sulfur down to mid-ppb range, and a room temperature Silcosteel sample loop.



Room temperature Silcosteel sample loop

One reason sulfur is so difficult to measure is that it disappears on contact with hot stainless steel surfaces; even limited contact with a hot stainless steel sample loop will destroy any sulfur in the gas sample. Our solution is to use a Silcosteel-lined transfer line leading to a splitter, and a 60 meter thick film capillary column. While Teflon columns are sometimes also used for sulfur analysis, the natural gas analysis (using MoleSieve and SilicaGel) requires column temperatures of 250°C or higher. Since the sulfur column is located in the same column oven, it is essential to use a column like the 60 meter capillary which can tolerate the higher temperatures.

8610-0073	**Multiple Gas Analyzer #1 + Sulfur GC with TCD, FID, and FPD/FID detectors, methanizer, built-in air compressor, 3 columns, and Silcosteel sample loop**	**$ 20,995.00**
8610-0273	**Multiple Gas Analyzer #2 + Sulfur GC with TCD, FID-methanizer, and FPD/FID detectors, built-in air compressor, 3 columns, and Silcosteel sample loop**	**$ 21,995.00**

OPTIONS & UPGRADES: 6 channel USB PeakSimple data system, split/splitless and PTV injectors, additional column(s), gas sampling valve, Thermal Desorber
(VOLTAGE: for 110VAC, use "part number-1" [ex: 8610-0073-1] for 220VAC, use "part number-2")