

Online Gas Chromatograph System: Patent Pending

On-Line Gas Chromatograph System: Single Enclosure Fully Integrated Field Measurement System

Designed for pipeline custody transfer applications, the secure enclosure houses the gas analyzer, calibration standard, controller, internal heater, and all tubing connections. Electrical connections are housed in an external explosion proof box bolted to the outside of main enclosure.

This stand-alone gas chromatograph system eliminates the permitting and administrative headaches associated with installing a shelter on location. The gas analyzer is located at the sample point, shortening the heated sample lines, improving sample accuracy. Overall system cost is lower and deployment is simplified.

The system is AC powered, built with Class 1 Division 1 approved components. The fully integrated system is housed in a high-quality powder-coated insulated aluminum enclosure. The system is complete and ready for deployment; tested prior to shipment to minimize field installation time.

▲ Gas Chromatograph integrated
in a free-standing enclosure

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System Details

▶ Danalyzer™ 500 gas chromatograph controller is suited specifically for natural gas processing. Shown right, explosion proof controller.



◀ Hydraulic pistons lift and hold panel door for easy access. The overhead door design shades the field technician and shelters the system from rain during maintenance.



▶ Class 1 Division 1 explosion proof junction box



▲ Danalyzer™ Model 500 analyzer has a wide ambient temperature range which eliminates the requirement of a climate controlled shelter

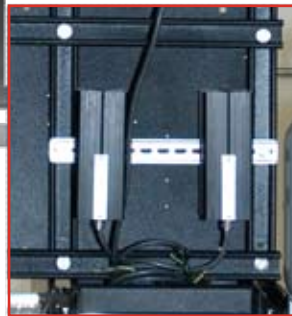
▶ Calibration standard gas vessel located inside the enclosure.



◀ Helium carrier gas tanks are secured outside the enclosure with brackets; accessible for quick replacement. Optional carrier gas manifold is available.



▲ Fold down tray for notebook computer.



▲ Class 1 Division 1 thermostatically controlled electric heaters heat the enclosure to maintain the temperature of the sample gas before it enters the analyzer.

▲ High-quality powder-coated insulated aluminum enclosure. The integral mounting pedestal and lifting eyes facilitate transport and installation.

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