



Maximize life-cycle value

For decades, Danalyzer™ field installed Gas Chromatographs have set the industry standard for accurate, on-line analysis of natural gas.

Whether the analysis is heating value measurement, trace contaminant monitoring, pipeline integrity or product quality, Daniel® on-line gas chromatographs provide proven solutions for these measurements.

Daniel now provides the ability to improve and expand the application capability of existing gas chromatograph installations by offering several refurbishment and upgrade packages.

Some of these packages enable customers to update their instruments with the latest in productivity enhancing components, while others broaden the suite of measurements available without the need to invest in additional gas chromatographs, thus providing economical alternative routes to expanded analysis capabilities and maximizing equipment life-cycle value.

Improve operating performance

Daniel Gas Chromatograph Upgrades are the best way to improve operating performance and achieve the following:

- Gain additional analysis capabilities for a fraction of the cost of an additional gas chromatograph
- Reduce the cycle time of standard BTU applications for greater productivity and more frequent quality monitoring
- Reduce maintenance costs by adding upgraded filters
- Upgraded gas chromatographs are returned to customer site in “like new” condition



Remain on the leading edge

The following upgrade and refurbishment packages are available for Danalyzer™ Model 500, 700 and 1000 Gas Chromatographs and Model 2350 controllers:

- **Refurbishment of BTU Gas Chromatograph**
- **Cycle Time Reduction Upgrade:** reduces BTU analysis cycle time from 12 or 6 minutes to 4 minutes
- **C9+ Upgrade:** modification of C6+ unit to C9+ unit
- **O₂ Measurement Upgrade:** adds O₂ measurement capability to natural gas unit
- **H₂S Measurement Upgrade:** adds H₂S measurement capability to natural gas unit
- **Model 2350A Controller Upgrade:** upgrades Model 2350 controller to 2350A functionality simplifying analyzer configuration, maintenance, and data collection. This package includes MON2000 Windows®-based workstation software with built-in tools such as:
 - Automatic recording of alarm and event logs
 - Increased diagnostic capabilities
 - Remote modem or Ethernet access
 - Connectivity via industry standard protocols such as Modbus® and OPC
 - And much more
- **Filter Upgrade:** replaces existing filters with low maintenance Model 120 Genie® filters

Get started today

Daniel's highly trained certified technicians are located worldwide, providing you with service and support in more than 80 countries.

For a quotation customized to meet your particular service needs, please contact your nearest Daniel Measurement and Control Sales and Service office as indicated below, or submit a service request online at <http://www.daniel.com/service/servicerequest.htm>.

Keeping you at peak performance

Daniel is the world leader in custody transfer and fiscal flow measurement products, systems and services. We understand the importance of your flow metering measurement, and in an environment of volatile oil and gas prices, the financial risk due to measurement uncertainty is greater than ever before. That's why Daniel is committed to helping reduce your metering equipment uncertainty any-time and anywhere.

Our global reach, broad range of services and certified service specialists supported by over 75 years of oil and gas industry experience enable Daniel to support you for the life of your metering installations – and that's a certainty.

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DAN-SRVS-GC Upgrade-FLR-1208 / Printed in the USA.

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