



Gas Chromatograph Solutions for the Process Industries

Rosemount Analytical's process gas chromatographs are unparalleled in their reliability and ease of use



Rosemount Analytical's family of process gas chromatographs offer an advanced combination of innovative technology and hardened instrumentation

With a stable, rugged design and unique airless oven construction, Rosemount Analytical's gas chromatograph products are used in a wide array of applications found in remote areas and harsh climates, and in critical processing facilities, such as refineries and food and beverage, pharmaceutical, chemical, and power plants.

Lower Installation and Maintenance Cost

Rosemount Analytical's process gas chromatographs offer the lowest cost of ownership in the industry. Most process measurements can be made at or near the sample point, greatly reducing the overall lifetime cost of the measurement. Expenses such as shelters, air conditioning, heating, and long/heated sample lines can be minimized or completely eliminated in most applications.

Furthermore, Rosemount Analytical's process gas chromatographs are proven to operate unattended for long periods of time without adjustment.

Every gas chromatograph is environmentally tested for guaranteed durability

Rosemount Analytical is the only gas chromatograph manufacturer who tests every system — including both the

gas chromatographs and its auxiliary systems, such as sample conditioning systems — before it leaves the manufacturing facility. Prior to shipment, we soak every gas chromatograph in a factory chamber for a minimum of 24 hours in temperatures that range from 0° to 130°F (-18° to +55°C) to ensure reliable performance once installed in the field. The temperature cycle starts at ambient (around 70°F) and is dropped to 0°F over the first four hours (cold ramp). The analyzer is held at 0°F for six hours (cold soak), and then ramps up to 130°F over eight hours, where it is held for another six hours.

Custom-Engineered Sample Systems

Any process gas chromatograph is only as good as the quality of the sample it measures. Every sample system for Rosemount Analytical's process gas chromatographs is custom-engineered for the specific requirements of the application.

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EMERSON[™]
Process Management

Sample handling system and sample conditioning system options include:

- Heated and open-panel designs
- Automatic calibration/validation
- Variety of sample probes to extract a reliable and stable sample from your process



A wide range of applications to fit your specific process requirements

- Refinery Applications
 - Catalytic reformer
 - Gas processing unit
 - Isomerization unit
 - Fluid catalytic cracking unit
 - Hydrotreating / HDS unit
 - Aromatics separation unit
 - H₂S in fuel gas
- Ethylene Process Applications
 - Ethylene product purity control
 - Control of cracking furnaces
 - Fractionator control
- Other Chemical Plant Applications
 - Polypropylene plant
 - Polyethylene plant
 - Ammonia plant
- Gas Plant Applications
 - Expander gas plant
 - NGL plant
- Environmental Applications
 - HRVCO - TCEQ Chapter 115
 - Ambient air monitoring

Better, more accurate data

With a fast cycle time, low system integration costs, and industry-standard communications protocols for your plant DCS, Rosemount Analytical's family of process gas chromatographs offers reliable data for improved process control, more reliable data in environmental monitoring applications, and accurate end-product specifications — so you know the value of your product, and are assured that your product meets all government-, corporate-, and customer-specified environmental requirements.

In addition, on-board data archiving and remote maintenance makes working with Rosemount Analytical's gas chromatographs simple and convenient.

Gas Chromatograph Customer Support Center
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Houston, TX Fax: 713.827.3865

Gas Analysis Customer Support Center
800.433.6076 (US and Canada) or 440.914.1261
Solon, OH Fax: 440.914.1271

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