



Rosemount™ 370XA

## Natural Gas Analysis

Intelligently addressing custody transfer

Emerson's Rosemount 370XA Natural Gas Chromatograph (GC), is designed to provide greater ease of use and increased measurement performance for your C6+ and C7+ BTU/CV analysis.

Incorporating an operating method similar to previous gas chromatographs, the Rosemount 370XA gives you the option of choosing a hydrogen carrier gas and/or nitrogen actuation gas instead of helium.

The local operator interface (LOI), a standard feature in the Rosemount 370XA, features a full color VGA display with an alpha-numeric keypad that allows operators to perform common tasks without having to connect to a computer. The LOI has built-in tutorials with step-by-step instructions on how to safely operate and maintain the GC, reducing the need for specialized technicians.

- Designed for custody metering of natural gas
- Measurement Canada approval
- Maintainable Module™ technology
- Reduced installation costs
- Pole and wall mount options
- No shelter required for most environments
- Reduced carrier gas usage
- Auto-valve timing
- Lower operational costs





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### Applications

#### Natural Gas Custody Transfer

Rosemount Gas Chromatographs are synonymous with natural gas custody transfer and known for improving gas measurement analysis and reducing lost-and-unaccounted for (LAUF) gas.

#### Production Gas Measurement

Analyzing production gas in the gathering network has traditionally been done with manual or automatic samplers. However, the ongoing costs of collecting and analyzing these samples and the delay between collecting the sample and receiving the results is leading many producers to look at installing on-line gas chromatographs closer to the wellhead.

#### Power Generation & Gas Control

Tighter emissions regulations, and the need for maximum burner efficiency, requireS the air/fuel ratio to be optimized based on the energy content and quality of the incoming gas. The composition and energy content of the natural gas supplied can vary significantly.

### Technical Specifications

Environment	-4 to 140 °F (-20 to 60 °C)
Ingress Protection	NEMA 4X
Weight (GC only)	50 lb. (22 kg)
Power Requirement	24 VDC 55W (Startup), < 25W (Steady State)
Area Classification	CLASS I, DIV. 1 GROUPS B, C & D, T6
Process	C6+ and C7+ analysis standard
Carrier Gas	Zero-grade helium, 90 psig (6.2 BarG)
Actuation Gas	Helium, nitrogen, or air (90 psig [6.2 BarG)
Sample Input Pressure	10 to 30 psig (0.7 to 1.7 BarG)

