

Simplified Gas Chromatograph Installations & Operations with Foundation Fieldbus



Emerson presents a Foundation fieldbus solution for gas chromatographs that significantly reduces engineering time in gas chromatograph startup and installation processes.

With the new Rosemount Analytical 700XA and 1500XA gas chromatographs, Emerson simplifies the complicated and time-consuming engineering requirements of traditional gas chromatographs. Using a Foundation fieldbus interface, the 700XA and 1500XA gas chromatographs automate point mapping during startup and enable integration with AMS Device Manager. The 700XA and 1500XA are the only gas chromatographs in the world to offer a certified Foundation fieldbus interface.

A Game-Changing Solution

By using Foundation fieldbus interface modules, Emerson's 700XA and 1500XA gas chromatographs eliminate analog signal wiring and Modbus mapping requirements. Parameter values are transmitted via Foundation fieldbus and recognized by the DeltaV control system without requiring additional programming.

The Foundation fieldbus module is also utilized in AMS interfacing, allowing AMS users to obtain parameter values & equipment status - OK/Maintenance (required)/ Fault - and even control of the gas chromatograph. Information is clearly presented for efficient operations and trouble shooting.

Results

End users of a gas chromatograph with a Foundation fieldbus module experience a tremendous reduction of installation time. Each GC is simply connected to the fieldbus network and transmitted. Operating and maintenance data is recognized by both DeltaV and AMS Suite. Up to 80% less time is required to install a GC connected via Foundation fieldbus, as compared to one that requires Modbus mapping.

Visit us at Emerson Exchange 2010 in San Antonio, Texas, where this paper will be presented by Michael Gaura, product manager, Rosemount Analytical.