

Release Notes for Envent GCS Version 1.0.0.0

Release Date: April 5, 2024

Overview: Version 1.0 marks the inaugural release of Envent GCS (Gas Chromatography Software), specifically engineered to enhance the user experience with Envent's Gas Chromatographs. This new UI targets Gas Chromatographs exclusively, simplifying interactions and focusing on the needs of GC users. The interface is both designed, and evaluated, by GC technicians at Envent - ensuring it meets the specific demands and workflows of gas chromatography, reducing complexity and enhancing usability.

New Features

- **Intuitive User Interface:** Envent GCS features a new UI tailored for seamless integration with Envent's Gas Chromatographs.
- **User Access:** Users can customize their access level, setting passwords for various user roles.
- **Automated Tasks:** GCS automates several tasks which previously required manual setup, such as scheduling Automatic Calibrations.
- **Status Bar:** A new status bar at the bottom of the application displays analysis time, alarms, and other critical data continuously.
- **Condition Based Monitoring:** Envent GCS automatically monitors the health of the Gas Chromatograph and can alert the operator when parameters begin deviating.
- **Data Trending:** Enhanced data trending capabilities allow for more detailed analysis of trends over multiple analyses.
- **UI Enhancements:** Additional minor UI enhancements provide more options for operating the Gas Chromatographs.
- **Revamped Control Page:** A redesigned control page for improved usability and accessibility.
- **Safety Features:** GCS introduces new safety features, including a Lockout feature that monitors certain parameters to ensure the analyzer operates within safe limits. If these parameters are breached, the analyzer will automatically lock out to prevent unsafe conditions.

Updated Legacy Features

- **Chromatogram Window:** An updated and modern chromatogram viewer preserves the classic functionality, with all familiar features remaining intact.
- **Configuration Windows:** Updated to support the new UI while maintaining familiar workflows.
- **Archives:** Provides reliable data retrieval and storage capabilities with new data trending features.
- **Reports and Logs:** GCS automatically retrieves crucial maintenance logs, critical for maintenance and operational audits.
- **Modbus Setup:** Supporting both Modicon32 and SIM2251, GCS simplifies Modbus configuration for industrial communication needs.
- **Display Setup:** Features a simplified display setup window for easier navigation and settings adjustment.

System Requirements

- 1 GHz Processor or faster
- 2GB RAM
- Minimum screen resolution of 1280x800
- At least 1GB of available hard-drive space (more recommended for storing reports and other files)
- Operating System: Windows 7 SP1 or higher
- .NET Framework 4.8 or later
- USB Port(s) for connection to GC
- Envent Gas Chromatograph Firmware 7.4.0 or higher