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Product Bulletin

Popular Upgrades For Older Maxum Gas Chromatographs

Siemens Process Analytics has been a trusted supplier of process gas chromatograph solutions for over 50 years to users around the globe, covering industries such as Refining, Chemical, Petrochemical, Environmental and Energy. And through a continuous evolution of the Maxum GC platform since its introduction over 15 years ago, the proven Maxum GC is positioned to continue meeting customer's analytical needs well into the future. Two popular upgrades for existing Maxum GC's are updating the GC's system controller (Syscon) and upgrading the user interface to the new color touch screen display. While neither of these upgrades are mandatory, they do bring a number of useful benefits to the user.

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Upgrading your Maxum's Syscon or User Interface



Syscon 2.1 Upgrade

The Maxum Gas Chromatograph (GC) uses powerful electronics to implement analytical hardware control and data processing. The primary electronic board in the Maxum that provides these functions is the System Controller (Syscon). In the original product release of Maxum 1, this board was referred to as Syscon. Over the years, the board has been extensively updated and enhanced and is referred to as the Syscon 2.1.

The Syscon 2.1 provides a number of added functionality that includes:

- 1) Support for Modbus TCP/IP data transfer
- 2) Utilizes the new Formula Editor feature in the Gas Chromatograph Portal software
- 3) Increased the number of Serial Ports to four, all configurable for Modbus
- 4) Support dual Ethernet port for redundant communication
- 5) Two additional I2C buses which can be used for smart sampling system control

All older models of Maxum GCs can be upgraded to the latest Syscon 2.1 electronics. A special spare part kit is available that includes the Syscon 2.1 board as well as all necessary adapters and cables to upgrade from either a Syscon 1 or Syscon+ based Maxum GC.

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Color User Interface Upgrade

The Maxum gas chromatograph (GC) is now supplied with a large color touch screen maintenance display that blends the best features of the previous menu-driven design with icons and graphical elements for simple access to all the standard maintenance features of the Maxum. The new touch screen display also greatly simplifies the ease of reviewing chromatograms as well as supports the use of pop-up boxes for data entry.

Existing Maxum GC users, who have the original black and white display, can upgrade to the new color touch screen display with specially packaged conversion kits that upgrade the display as well as the Syscon to the latest versions.

These conversion kits are available for both the older Maxum 1 as well as the Maxum II. This is all part of the Maxum GC design philosophy of backwards compatibility that protects our customer's investment in their analytical system while continuously enhancing the Maxum GC platform.

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