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.
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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