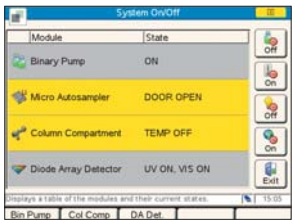
Agilent 1200 Series Instant Pilot

New controller for Agilent's leading LC platform

The new Agilent 1200 Series instant pilot gives you complete control, system monitoring and diagnostic capabilities for a virtually unlimited number of LC system modules. Based on the highly successful implementation of the industry-standard control area network (CAN) and cabling used in the first controller, introduced by Agilent in 1995, the instant pilot is designed to be even more powerful. Ergonomic enhancements make it convenient to use and easy to learn.



Enhanced use

The Agilent 1200 Series instant pilot offers improved viewing with a high resolution, high contrast display, twice the size of the previous display. A new holder can be used to attach the controller securely to an Agilent 1200 Series system or to a single module. Attached to a system, it can be used, for example, to change analysis parameters quickly or to stop the pump immediately if a leak occurs. Using a USB memory stick, analysis methods, sequences, diagnosis reports and logbooks can be transferred easily from one system to another. Helpful icons and wizards make using the instant pilot easy to learn and understand. Intuitive and context-sensitive help guides new or occasional users.

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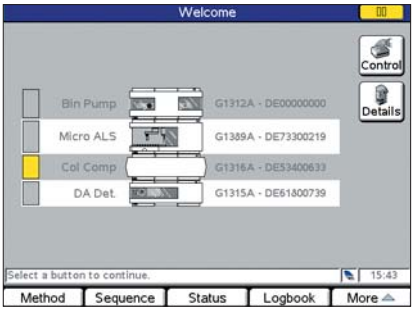
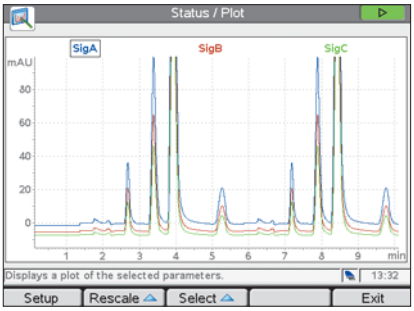
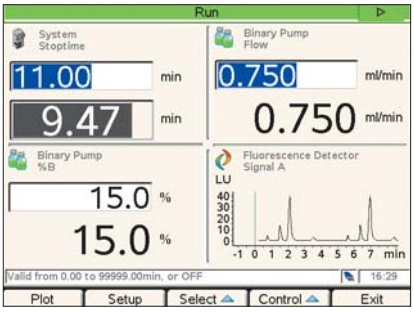


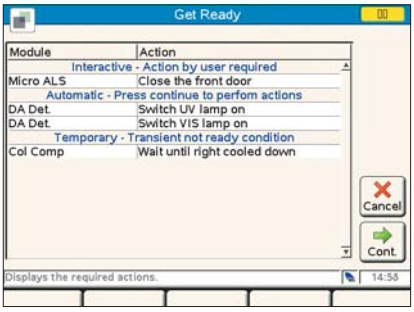
Welcome screen showing current system configuration and color coded status bars.



Plot of chromatographic signals with different colors for each signal.



Customizeable window for fast monitoring and changes of main instrument parameters.



Get Ready screen displaying necessary actions before the analysis starts.

Enhanced performance

You can connect a virtually unlimited number of modules to one Agilent 1200 Series instant pilot, regardless of whether they are 1200 Series modules, 1200 Series SL modules, or 1100 Series modules. To add a 1200 Series module to an existing 1100 Series system, simply connect the new module's CAN cable to the system and the instant pilot will dynamically adjust to the new configuration, displaying it immediately. Color-coded bars indicate the status of each module at a glance, including the name and serial number, as well as the status of the system as a whole.

At the same time as you are analyzing a sequence of samples, you can begin programing the methods for new sequences in offline mode. Different colors are used for clear visual differentiation which enables up to four chromatographic signals and instrument parameters to be plotted simultaneously.

In order to monitor LC method parameters easily, a screen composed of four windows can be set up with each window displaying a desired parameter or plot. This enables fast parameter changes with immediate modification and eliminates the need for time-consuming screen switching.

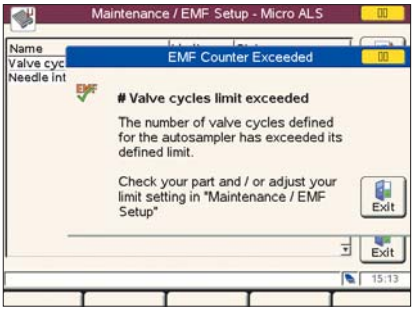
If more parameters are required, the four main windows can be further subdivided into as many as four sub-windows. This enables virtually any parameter to be inspected.

Before starting an analysis or a sequence, it is important to know that the complete system is ready for use. Color-coded status bars in the welcome screen provide initial system status information. A single click with the instant pilot provides additional detailed information on each module. In the example illustrated below, the instant pilot reminds the user to perform actions controlling the sampler, the detector and the column compartment.

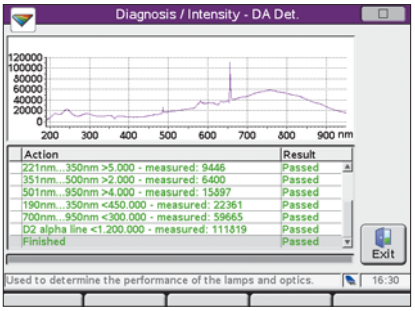
The pre-installed software has been designed for ease of navigation to ensure the highest levels of usability and productivity. It offers a straightforward dialog structure, user-configurable interface, wizards, context-sensitive help and an enhanced sequence engine. Usually no more than one or two clicks are needed to return to the welcome screen. A second click opens the method, sequence table, or the diagnosis functionality.

Good Laboratory Practice (GLP)

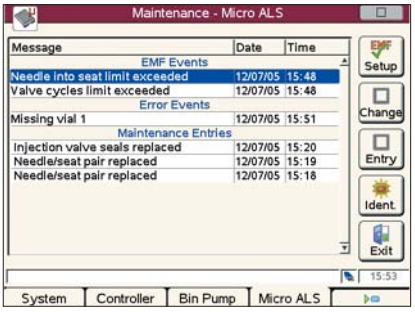
Users can use various automatic diagnosis routines to perform quick regular checks to review and document system performance. These produce an unambiguous pass/fail result. The column identification module (CIM) documents the column type and its characteristics. The system logbook or the more detailed module logbooks are checked for operational integrity and data quality. The instant pilot displays early maintenance feedback (EMF) messages based on actual usage, e.g. lamp burn time or eluent levels, which enable maintenance to be planned and carried out in good time.



Early maintenance feedback (EMF) alerts the user when maintenance is due.



Instrument diagnosis with unambiguous passed/failed results.



Maintenance logbook documents services performed.

Specifications

Control:	All Agilent 1200 Series modules (apart from fraction collectors in first revision), 1200 Series SL modules and 1100 Series modules, instrument parameters and sequences. Mixed 1200 Series, 1200 Series SL and 1100 systems are also supported.
Attachment:	Secure attachment to the system with additional holder. Instant pilot can be attached to different modules and at varying angles for ergonomic operation.
Communications:	Industry-standard controller-area network (CAN) communication and cabling.
Display:	Large color display with background light, high resolution and contrast. Different colors can be used to plot detector signals and available instrument parameters for easier differentiation.
Operation:	Handheld or attached to a module in stack to facillitate operator preferences.
Software:	Developed for unmatched usability and productivity. Dynamic adoption of user interface to system configuration, user configurable displays, straightforward dialog structure with easy to understand icons and wizards, on-line help. Methods can be edited online and offline, pass/fail diagnosis, enhanced sequence engine, etc.
Data Storage:	Data transfer and archiving of methods, sequences, logbooks, diagnosis results with standard USB memory sticks.
GLP:	Logbook, early maintenance feedback (EMF), column identification (with column identification module) for GLP documentation of column type.

www.agilent.com/chem/1200

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