

Method

Method - UNNAMED

Setting	Value
System	
Stoptime	20.00 min
Posttime	OFF
Quaternary Pump : DE23923124	
Stoptime	20.00 min
Posttime	OFF
Flow	0.000 ml/min
%B,%C,%D	OFF , OFF , OFF
Min. Pressure	OFF
Max. Pressure	400 bar
Minimum Stroke	AUTO
Compressibility	100 * 10E-6/bar
Max. Flow Gradient	100.0 ml/min ²
Primary Channel	Auto

Specifies a time limit for your analysis. 13:45

Filter Compare Timetable Properties File

General

The screen displays complete or filtered method setpoints of all modules. Depending on the number of modules, you may have to scroll through the display. To edit a parameter, select it using the arrow up / down buttons and press Edit or OK key.

Functions:

Filters opens a screen to setup a filter to control the visibility of the parameters in the method screen. The filter is stored with the method.

Compare two methods. The differences are shown in a list by displaying the values from both methods.

Timetable opens a screen showing the timetable programmed parameters. The timetable can be edited in the timetable screen and is stored together with the method.

Properties of a method can be reviewed in the Properties screen. You can view changes and the reasons for them.

File: Method parameter sets can be accessed from the internal flash disc or on a USB Flash Drive, can be imported from the old Control Module or edited offline.

Toggle: switches between filtered and unfiltered view.

Sequence

Sequence - UNNAMED*

Location	Num. of Injections	Started
V 1 - V 5 #1, Calib. [Every 2 Samples/Mult]		
V 6	1 calib.	...
V 1	1	...
V 2	1	...
V 6	1 calib.	...
V 3	1	...
V 4	1	...
V 6	1 calib.	...
V 5	1	...
V 6	1 calib.	...
End of Range		
V 10 - V 11 #1		
V 10	1	...
V 11	1	...
End of Range		

Idle 0h 0'

Inserts a sample line. 15:08

Tray View Properties Wizard File

General

A sequence consists of a list of items that should be processed sequentially. The items are inserted in the list using the Insert button or, in the case of samples and calibration samples, by using the wizard. The Sequence can be edited using the Edit or OK key, Delete or Copy buttons.

Functions:

Edit or OK key allows changes to a selected sequence line.

Insert opens a menu containing elements to insert into the sequence list before the selected line.

Delete/Copy/Paste deletes/copies/pastes a selected sequence line.

Wizard allows easy definition of sample ranges and calibration processing. It starts with the input of the location.

File Sequence parameter sets can be accessed from the internal flash disc or a USB Flash Drive using the file dialog box.

Tray View shows the current sequence's status graphically. The sequence samples are shown at their locations on the tray using colors representing their states and purpose (sample/calib.).

Status

Run 0.07

System Stoptime	Controller	Binary Pump SL	Channel
OFF	123	Flow 0.100 ml/min	A 1 2
TCC SL	TCC SL	%B 50.0	B 1 2
Col. Switching Val	Temp. Left	%A 50.0	18.7 bar
Column 1	26.77	0.100 ml/min	10.0 %
High Perf. Autosampler	Diode Array Detector SL		
Inj Vol 5.00 µl	Speed [µl/min]	A BW 250 100	B BW 254 16 nm
Draw 100.0	Eject 100.0	Use Ref	Use Ref
		Ref 360 100	360 100 nm
Loc P1 A:1	5.00 µl	-5.185	-3.449 mAU

15:13

Plot Setup Select Control Exit

General

The Status screen is a configurable overview of the instrument status. You can view actual values/states and edit parameters.

The screen is divided into four tiles. Each tile itself can also hold up to four smaller tiles. The Instant Pilot automatically chooses the size of the tiles based on the selection.

Large tiles can hold signal plots

Functions:

Plot shows different signals of the connected modules over time. The signals are user-selectable, can automatically be rescaled for best on-screen fitting.

Setup lets you set up the views. A Default button loads a pre-defined view (depends on system).

Select lets you choose to load one of the last 4 setups.

Logbook

Logbook - System

Module	Message	Time
TCC	Valve switched to column 2	13:57:05
MWD	Error detected	13:56:40
Autosampler	No service mode	13:56:38
Autosampler	Initialization done	13:56:38
Autosampler	Thermostat disconnected	13:56:38
MWD	Lamp off	13:56:40
MWD	VIS lamp off	13:56:40
05/07/07		
MWD	UV lamp current	10:46:07
05/15/07		
System	G1365D:DE60755000 detected	13:56:43
System	G1311A:DE23923124 detected	13:56:43
System	G1321A:DE92001563 detected	13:57:09
System	G1316A:DE14923865 detected	13:57:09
System	G1365B:DE03010634 detected	13:57:10
System	G1329A:DE91603245 detected	13:57:10

13:59

System Controller Quat Pump Autosampler

General

The Logbook screen is a configurable overview of the information, internal sequences, error, maintenance, system and Early Maintenance Feedback (EMF) messages.

Functions:

Filters allows the configuration of the view

Print allows the screen to be printed to a USB Flash Drive for storage or printing via a PC.

System shows all entries of all modules, the **module specific** buttons a single module's logbook.

Details (System Info)

System Info

Property	Value
Controller	DE55055002
Firmware Revision	B.02.01 [0001]
Quaternary Pump	DE23923124
Firmware Revision	A.06.03 [001]
On-time	27d 02:30h
Autosampler	DE91603245
Firmware Revision	A.06.02 [002]
On-time	27d 21:03h
Column Compartment	DE14923865
Firmware Revision	A.06.03 [001]
On-time	27d 02:30h
Installed Options	2Pos/10Port Switching Valve
Variable WL Detector SL	JP92110261

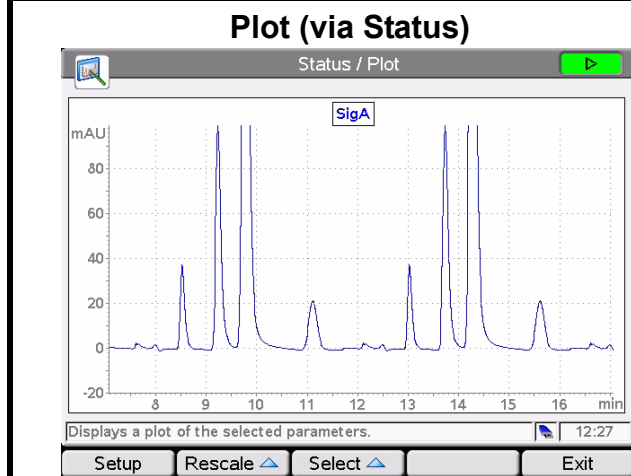
13:30

General

All modules of the system are listed with serial number, firmware revision and on-time.

Functions:

Print allows the printing of the screen to a USB Flash Drive for storage or print via a PC.



General

The Plot screen gives you many opportunities to display a wide variety of signals on a graphic display while the analysis is ongoing or otherwise. The plot screen can show different signals of the connected modules over time. The signals are user-selectable, and can automatically be rescaled to optimize the viewing area.

Functions:

Setup to select the signals of interest.

Rescale to maximize the signals of interest.

Select to make a signal active on the Y-axis or use the number keys 1, 2, 3 or 4.

Print to print the plot window to the USB Flash Drive.

Direction keys to change the Y-range (up/down) or the time scale (left/right).

Control Functions

Control Functions

- 1 System : On / Off
- 2 System : Get Ready
- 3 System : Clear Errors
- 4 Autosampler : Needle Cleaning
- 5 VWD SL : Balance
- 6 DAD SL : Balance

- 1 System : Set Defaults
- 2 Autosampler : Release Vial
- 3 Autosampler : Home Gripper
- 4 Autosampler : Park Gripper
- 5 Autosampler : Reset Sampler
- 6 VWD SL : Take Scan
- 7 DAD SL : Take Scan

General

All control menu items directly trigger a day-to-day action on the instrument outside an analysis. The control menu can be opened in major screens via the Control button. Typical functions are detector balancing, or getting the instrument in a "ready for analysis" state.

Functions:

On/Off screen for easy and visual turn on/off of modules.

Get Ready performs all required actions to bring a system into a ready state.

Clear Errors clears all errors in the modules, if the error cause is eliminated (see also Control-Get Ready).

Set Defaults resets all module's method parameters to factory defaults.

Scan (DAD/MWD/VWD/FLD) spectrum.

Start Analysis (pressing Start)

Start Analysis

Sample Range

from 1 to 1

Inj: 1 < Use Current >

Current Sequence

Resume paused sequence

Blank Run

Cancel

Cont.

General

The Start Analysis screen allows an analysis to be set up:

- Setup a simple vial range and the method to be used

- Select the currently loaded sequence

- Resume a paused sequence

The selected action will get started by pressing continue, cancel closes the start dialog without starting analysis.

Note:

Starting a vial range directly was introduced with firmware revision B.02.01 and A.05.11 (November 2006).

If the system is in not-ready state, the Instant Pilot brings up the System On/Off screen. Follow the instructions on that screen and the Start is executed as soon as the System is in Ready state.

Configuration (via More)

Configure - System

Setting	Value
AGP Remote	No External Synchronisation
Time	14:21
Date	19.JAN.2006
Auto turn on	OFF
Turn off on error	No

Allows you to set up external synchronization. 14:21

System Controller Quat Pump Autosampler

General

These parameters allow the setup of the instrument configuration. Typically, these configurations are linked to properties of the instrument (e.g. module names, flow path volumes, analog output configuration, LAN address) that are set up only at installation or after modification of the instrument setup.

Functions:

Edit or OK key allows changes of the select parameter.

Setup (System only) starts the Setup Wizard and allows the setting of Date & Time, Instrument Name, Unit- and Formats, Display and LAN interface.

Maintenance - System (via More)

Maintenance - System

Module	Product #	Serial #	Firmware
Controller	G4208A	DE55055002	B.02.01 [0001]
Quat Pump	G1311A	DE23923124	A.06.01 [012]
Autosampler	G1329A	DE91603245	A.06.01 [012]
Col Comp	G1316A	DE14923865	A.06.01 [012]
DAD	G1315B	DE03010634	A.06.01 [012]

Single
Wizard
PN/SN
Exit

Displays information on the available modules.

SystemControllerQuat PumpAutosampler

General

The Maintenance System screen shows a list of all modules in the system with their names, product and serial numbers, and the firmware revision.

You can update the firmware. The firmware must be in the root directory of the USB Flash Drive.

Functions:

Single allows the firmware of a selected module to be updated.

Wizard allows the firmware of all modules of the system to be updated at once.

PN/SN allows you to change the product number or serial number after the exchange of a main board (if required).

Maintenance - Module (via More)

Maintenance - Bin Pmp SL

Message

EMF Events

[Empty]

Error Events

Pressure above upper limit

Maintenance Entries

[Empty]

Setup
Entry
Ident
Exit

15:11

SystemControllerBin Pmp SLHIP ALS

General

Maintenance shows the logs for maintenance related events, and allows access to EMF (early maintenance) settings and functions needed for maintenance tasks (e.g. calibration routines, parts information).

Functions:

EMF Setup to configure the EMF values.

Maintenance/Calib to run a maintenance activity.

Entry inserts the select maintenance activity into the maintenance logbook.

Identify to flash the LED of the module in the stack.

Diagnostic (via More)

Diagnosis

Quaternary Pump : DE23923124

Pressure test

Autosampler : DE91603245

Injector Steps

Column Compartment : DE14923865

Diode Array Detector : DE03010634

Lamp intensity test

Holmium spectrum test

Dark current test

Cell test - No Passed / Fail result

Exec.
Exit

13:02

General

Diagnosis tests allow proper operation to be checked. They only report the state of a module with a passed / failed result and do not modify anything on the instrument.

Functions:

Execution brings up the details for the selected test. Cont. will then start the test. Please read the preparation instructions carefully.

Help System

The online information system provides a quick and convenient way to look up information about a task you are doing or a feature or screen you would like to know more about. The online information system is context-sensitive and provides information related to the current topic. You can access the online information system by using the i (info) key on the Instant Pilot’s keyboard. Different views are available.

Help - Entry for Control Screen

Welcome

Select a button to continue.

Control

Details

Method

Sequence

Status

Logbook

More

Displays a menu that allows you to access the following items:

Displays the System Info screen.

Displays the Method Setup screen.

Displays the Sequence Setup screen.

Displays the Status screen.

Displays the Logbook.

Displays a menu that allows you to access the following items:

ContentHomeIndexBackForward

Help - Content View

Index / Content

Home

How Tos

Setting up a method

Setting up a method timetable

Setting up a sequence

Using inline editing

Using the Sequence Wizard

Running an injector program

Working with Files

Inline Editing

Renaming Methods

Using the Keyboard

Setting up the Status Screen

Using the Plot Screen

Setting up the LAN

Reference

Concepts

Error Messages

Troubleshooting

Show Item

Help - Index View

Index

Index

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- A -

acquire spectra

Acquire Ex. Spectra (FLD)

Acquire Em. Spectra (FLD)

AFC EMF Setup

AGP remote

AGP Remote

ALS EMF Setup (ALS), Injector Steps (ALS), Maintenance (ALS)

analog out

Analog Out Source (VWD), Analog Out Polarity (VWD)

analog output

Analog Out 1/2 (DAD and MWD), Analog Out (VWD), Analog Attenuation (RID), Analog Voltage Range (RID), Analog 1/2 Source (FLD)

archive

Print documents as

Attenuation Analog Out 1/2 Attenuation (DAD and MWD)

ContentHomeIndexBackForward

Help - Details View

Acquire Ex. Spectra (FLD)

Specifies at which points spectra are acquired and stored. Multi Excitation must be enabled in order to acquire and store spectra.

None

No spectra are taken.

Apex

A spectrum is acquired at the apex of the peak.

All in Peak

All spectra within the peak are acquired.

All

All spectra are acquired with the settings of the scan. Spectral acquisition depends on the setting of the Peakwidth. Eight spectra are acquired per Peakwidth. The acquisition time for one spectrum is slightly less than the Peakwidth divided by 8, that is, greater than or equal to 0.01 s and less than or equal to 2.55 s.

All w/o signal

All flashes are used for spectral acquisition. When All w/o signal is selected, the mean value of all measured wavelengths is shown on channel A. This setting is useful for unknown spectra.

Note

The spectral acquisition modes Apex and All in Peak are

ContentHomeIndexBackForward



Agilent Technologies

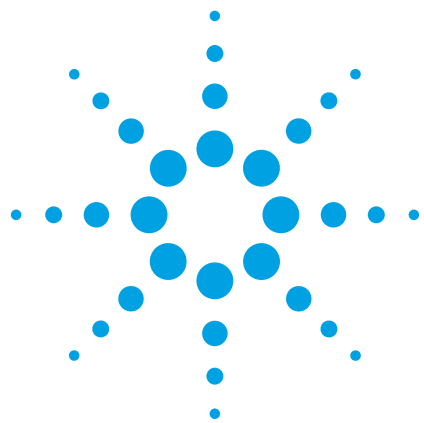


G4208-90005

© Agilent Technologies 2007, 2009

Printed in Germany
07/09

For information on other Agilent modules, please refer to the Module’s Manual.



Agilent Instant Pilot
Quick Reference Guide

Setup Wizard

Setup Wizard

It is important that all devices of the system are active before instrument setup is started. Please check the list below to insure that all devices are active before you continue.

Quat Pump

Autosampler

Col Comp

DA Det.

G1311A - DE23923124

G1329A - DE91603245

G1316A - DE14923865

G1315B - DE03010634

Abort

Cont.

11:10

General

This screen shows up at the first start of the Instant Pilot.

The Setup Wizard allows the setting of Date & Time, Instrument Name, Unit and Formats, Display and LAN interface.

After completing the setup wizard, the Welcome screen is displayed in future.

Functions:

Continue: You enter the setup wizard (important - wait until all modules have appeared in the overview).

Next/Back/Finish: will guide you through the setup screens of the Instant Pilot.

Abort: You leave this screen and enter the Welcome screen.

The Setup Wizard can be accessed via **More - Configure - Setup**.

Welcome Screen

Welcome

Quat Pump

Autosampler

Col Comp

DA Det.

G1311A - DE23923124

G1329A - DE91603245

G1316A - DE14923865

G1315B - DE03010634

Control

Details

11:11

MethodSequenceStatusLogbookMore

General

This is the entry screen for all other screens and shows all modules that are part of the connected system.

All modules show the product number and the serial number. The color changes according their states:

yellow: not ready

grey: ready

green: run mode

red: error

Functions:

Control: day-to-day action on the instrument outside an analysis.

Details: opens dialog with general information about the system (type, serial number, FW revision, LAN configuration).

NOTE: Pressing the Esc key on any sub-screen will bring you back to the Welcome screen.

NOTE: You can configure any sub-screen of the Welcome screen to be the initial screen after startup via More-Configure-Controller-Initial Screen.

For information on other Agilent modules, please refer to the Module’s Manual.