



Agilent OpenLAB Chromatography Data System (CDS)

Waters Acquity Instrument Control Driver A.01.02

Data Sheet

Agilent OpenLAB CDS uses an open systems approach to integrate instruments from different manufacturers into a single environment. This approach protects an analytical laboratory's investment in instruments, data, and knowledge. The approach, also, reduces training and operating costs.

The Agilent M8505AA "Waters Acquity Instrument Control Driver" is a software add-on for both Agilent OpenLAB CDS ChemStation Edition and EZChrom Edition. It enables full instrument control of and data acquisition from the Waters Acquity and Waters Acquity H-Class UPLC's in Agilent OpenLAB CDS.

This driver is based on Agilent's Rapid Control (RC.Net) driver technology, the emerging de-facto standard for interfacing instruments into Chromatography Data Systems.



Supported Modules by the Waters Acquity Driver for OpenLAB CDS A.01.02

Module Name	Acquity*	Acquity H-Class*	Min. Firmware Rev.
Sample Manager	X		1.60
Binary Solvent Manager	X		1.60
Column Manager (CM)	X	X	1.40.74
Sample Manager FTN		X	1.60
Quaternary Solvent Manager		X	1.60
Column Manager (CM-A)		X	1.60
Column Manager AUX		X	N/A
Sample Organizer (configured via Sample Manager)	X	X	1.60
TUV Detector	X	X	1.60
PDA Detector	X	X	1.60
PDA eLambda Detector	X	X	1.60
Fluorescence Detector	X	X	1.42
ELSD Detector	X	X	1.40

* Control of the Waters Acquity and Acquity H-Class instruments requires the installation of the Waters Driver Pack 4 component 716004314 rev. A from Waters Technologies Corporation. This component is included with the Agilent M8505AA OpenLAB CDS driver for the Waters Acquity LC.

OpenLAB CDS Software Requirements

- Supported on OpenLAB CDS A.01.04, A.01.05, A.02.01 and A.02.02, specifically:
 - OpenLAB CDS EZChrom Edition A.04.04, A.04.05, A.04.06 and A.04.07
 - OpenLAB CDS ChemStation Edition C.01.04, C.01.05, C.01.06 and C.01.07

Supported Languages

- English, Chinese, Japanese

Supported Topologies and Virtualization

- OpenLAB CDS ChemStation Edition: Workstation, Networked Workstation, Distributed Systems
- OpenLAB CDS EZChrom Edition: Workstation, Networked Workstation, Distributed Systems
- A dedicated network interface is required to connect Waters Acquity to OpenLAB CDS.
- Installations of the Waters Acquity Driver on virtual machines (e.g. VMWare) are supported in principle, and have special installation requirements.
 - Correct operation of the Waters Acquity in virtual machines typically requires the use of LAN-to-USB adapters when using physical network connections to the instrument.
 - Virtualized installations where the number of instruments is greater than the number of physical network interfaces, require configuring virtual networks (VLAN).

Please contact Agilent's Professional Services Team if virtualized deployment is planned.

Operating System Requirements

- OpenLAB CDS Revision A.01.04, A.01.05
 - Windows 7 SP1 (32/64 bit): for Workstations, Clients and OpenLAB CDS EZChrom Ed. AIC's
 - Windows 2008 SR2: for Client and OpenLAB CDS ChemStation Edition AIC's
- OpenLAB CDS Revision A.02.01 offers additional support for
 - Windows 8.1 (64 bit): for Workstations, Clients and OpenLAB CDS EZChrom Edition AIC's
- OpenLAB CDS Revision A.02.02
 - Also supports Windows Server 2012 R2 for the AIC. Compatibility testing of the Acquity Driver with this operating system is planned for late 2014.
- Windows XP, Vista, Windows 2003 Server: not supported

Maximum Number of Acquity Instruments

- Only one out of the maximum number of supported instruments connected to a Workstation or AIC can be a Waters Acquity Instrument. This statement applies to OpenLAB CDS EZChrom Edition and ChemStation Edition.
- It is not recommended to install M8239AA Waters Alliance HPLC Driver and M8505AA Waters Acquity Driver Revision A.01.02 on the same acquisition PC.

OpenLAB CDS Hardware Requirements

- OpenLAB CDS requires a dedicated network interface in the acquisition PC (AIC or workstation) to interface the Waters Acquity LC to OpenLAB CDS.

Instrument Requirements

The instrument must conform to the compatibility list and the minimum firmware requirements. It is expected that the instrument has been installed and prepared according to the manufacturer's guidelines.

Ordering Information

Part Number	Description	Notes
M8505AA	Waters Acquity Instrument Control License for OpenLAB CDS	1 license per Waters Acquity instrument
M8300AA	Non-Agilent Instrument Control License	1 license per Waters Acquity instrument
M8360AA	OpenLAB CDS 3D UV add-on license	1 license per Waters 3D instrument (with PDA detector)

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