Thank you for purchasing an Agilent instrument. To get you started and to assure a successful and timely installation of your Agilent UV-Vis ChemStation **software**, please refer to this specification and set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an **information guide and checklist** prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

Customer Responsibilities

Make sure your site meets the following prior specifications before the installation date. For details, see specific sections within this checklist, including:

❑ The computing environment and the necessary space is made available

❑ The number & location of electrical outlets for your computer systems and peripherals are planned

❑ That your site meets the software, hardware and networking specifications below

❑ Locate your sales order information, software authorization codes and/or software licenses/certificates

❑ The necessary software media, disks etc. are available including upgrade/update disks

❑ That a suitable backup solution is identified for your software

❑ Availability of a system/network administrator as needed to connect to your intranet

❑ Please consult Other Requirements section below for other product-specific information.

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.

❑ For more details, please consult the Agilent 8453/8454 UV-Vis Spectroscopy System Installation Guide, or if you are installing Security Pack, consult the Security Pack for UV-Visible Spectroscopy Guide. These can be found on the UV-Vis ChemStation DVD.

❑ Additional information for the requirements of the Open LAB ECM Add-on or the OpenLAB ECM Compliance Pack, can be found in the Agilent UV-Vis ChemStation ECM Compliance Pack Concept Guide. This can also be found on the UV-Vis ChemStation DVD.
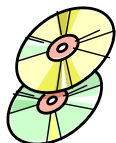
Important Customer Information

1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.

2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.

3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.

4. You should ensure that all necessary operating supplies for the successful installation of instruments and systems are available. Installation sites should be prepared in accordance with the information outlined in this document.

Important Version and Hardware Information

1. Please refer to the table below for supported UV-Vis ChemStation and hardware configurations.

Supported UV-Vis ChemStation and Instrument Configurations		
UV-Vis ChemStation Version	**Supported Instrument Hardware**	**Comments (if applicable)**
B.05.01	Agilent 8453 UV-Vis G1103A[1]	1. 8453 is supported on both B.05.01 and B.05.02.
B.05.02	Agilent 8453 UV-Vis G1103A[1] Agilent Cary 8454 UV-Vis G1103B[2]	2. 8454 is supported only on B.05.02.

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Software Specifications for
Workstations, Clients, and Servers (Security Pack)

Special Notes

1. Implement a backup strategy or backup all of your data before making any changes.
2. No other ChemStation software must be installed.
3. A user logon with full administrative capabilities is required.
4. If you are upgrading from a previous version of UV-Vis ChemStation, you must uninstall the old version of UV-Vis ChemStation first. Generally, you can use the Windows Control Panel or run Setup from the UV-Vis ChemStation DVD/CD-ROM. Some older versions require the software to be removed manually. Make sure you use the manual relevant to the version you are uninstalling.
5. Adding modules to an already installed UV-Vis ChemStation installation does not require uninstallation. An exception to this is if Security Pack is installed. In this case, any modules or configuration changes must be made before Security Pack installation.
6. Security Pack has to be installed to a file system that uses NTFS. If the target drive/partition is not NTFS, then it will have to be converted.
7. If Security Pack is being added to an Agilent UV-Visible Spectroscopy System that has already been in use before, a saved customized configuration may exist. The customized configuration will be incompatible with Security Pack and the configuration files, configon.reg and configof.reg, will have to be deleted. If they exist, delete the files from C:\Chem32\n\ (where n: instrument number 1 to 4, default installation path).

Specification Description	Supported	Comments (if applicable)
Operating system type(s), versions	Windows 7 Professional (SP1)[1, 2] Windows 7 Enterprise (SP1)[1, 2, 3] Windows Server 2003[1] Windows Server 2008 (SP1)[1]	1. 32-bit 2. 64-bit 3. UV-Vis ChemStation B.05.02 only
Region and Language settings/compatibility	Number Format's Decimal Separator must be set to "." (decimal point)	This is required to avoid wrong values being printed or displayed
Account settings/privileges	Full Local Administrator Rights	Required for installation, upgrade or modification
File System	NTFS recommended	At least one NTFS partition is required for Security Pack
Power Saving	None	Any PC power saving functions for hardware such as hard disks, monitor, LAN etc. should be disabled.

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Software Specifications for Clients - OpenLAB ECM Add-on or Compliance Pack

Special Notes

1. Implement a backup strategy or backup all of your data before making any changes.
2. In the context of OpenLAB ECM, the computer that hosts the UV-Vis ChemStation is also known as the "Client".
3. The OpenLAB ECM Add-on or the Compliance pack, are not compatible with Security Pack; they are mutually exclusive. That is, you must choose either ECM or Security Pack.
4. Only OpenLAB ECM 3.4.1 is supported.
5. An already fully implemented OpenLAB ECM 3.4.1 Server system is required.
6. Having UV-Vis ChemStation operate within an OpenLAB ECM environment, requires some configuration tasks on the OpenLAB ECM Server.
7. At the time of installation, the login data of a Windows user who can connect to the ECM Database must be available.
8. Also at the time of installation, the login data of an ECM Database user who is authorized to access the ECM schema and to update the table in this schema must be available.
9. Setting up or implementing an OpenLAB ECM server is not part of the UV-Vis ChemStation installation.

Specification Description	Supported	Comments (if applicable)
OpenLAB ECM Server	3.4.1	The OpenLAB ECM Server must be already running.
Operating system type(s), versions	Windows 7 (SP1) Windows Server 2008 R2*	32-bit & 64-bit (*Windows Server: 64-bit only)
Region and Language settings/compatibility	English or Western Europe	English is recommended.
Browser	Internet Explorer 8.x, 9.x, 10.x	
.Net Framework	Version 2.0 SP2 or higher	

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Computer Hardware Specifications for Workstations, Clients, and Servers

Special Notes

1. The PC configuration must be listed in the Microsoft Windows Marketplace Tested Products List Hardware section for each respective operating system. If your PC hardware is not tested, then the system may not work with the supported operating system.

2. The software runs on systems with sufficient random access memory (RAM) installed. Depending on the usage of the system and the desired data throughput, those systems may not exhibit acceptable performance.

3. In all cases, an appropriate amount of virtual memory should be configured.

4. Some scheduled or background processes like virus checking or defragmenting may cause instrument communication or other performance problems. To avoid these kinds of problems it is required to disable any scheduled events and minimize or eliminate any background processes.

Specification Description	Minimum	Recommended (if applicable)	Comments (if applicable)
Processor type & speed	1 GHz 32-bit (x86) (3 GHz for Windows 7)	3GHz Dual Core (OpenLAB ECM)	
Memory	1 GB (2 GB for Microsoft Windows 7)		Plus 256 MB for each additional instrument configured. For kinetics measurements, G1117AA, an additional 1GB is required.
Internal Storage/devices/media	DVD-ROM Drive		UV-Vis ChemStation now comes on DVD.
Screen Resolution	Super VGA 1280 x 1024	Super VGA 1280 x 1024	Different resolutions may cause text to be truncated in the columns of tables.
Video Graphics Adapter Resolution		1024 x 768 large fonts 1280 x 1024 large fonts	
Video Graphics Adapter	256 colors, 1MB video RAM		
Printing devices		Default Printer	No default printer could result in reporting and other errors.
Pointing devices		Computer Mouse	Microsoft Compatible
Interface	LAN, USB to GPIB converter (for instrument comms)	100/1000 LAN Adapter (OpenLAB ECM)	NIC Teaming is not support for OpenLAB ECM - Client
Hard Disk	40 GB		

Additional Requirements for UV-Vis ChemStation Security Pack Server/Workstation Installation

Special Notes

1. It is essential that support from an IT representative is available. They will need to assist in allowing the required access to the domain, the creation of domain groups and the assignment of users to their target groups.
2. A user with local administrator rights for the Server and for the Workstation is required so configuration can take place.
3. A Domain used for the installation must exist and the global groups to handle UV-Vis ChemStation users must be available.
4. A global account for the UV-Vis ChemStation administration is required.
5. The target computers for the installation must be members of the Domain.
6. The domain server and the server for the data share must be different machines.
7. Please review the section "Prerequisites for the Server/Workstation Installation" in the Security Pack for UV-Visible Spectroscopy Guide, G1813-90015, for further information.

Additional Requirements for UV-Vis ChemStation with OpenLAB ECM Add-on or OpenLAB ECM Compliance Pack

Special Notes

1. UV-Vis ChemStation with OpenLAB ECM Add-on or OpenLAB ECM Compliance Pack, requires an OpenLAB ECM Server already setup and configured.
2. At the time of installation, Familiarization is only covering aspects of ECM that are related to the UV-Vis ChemStation installation and implementation.

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Other Requirements

1. Important web links
   Microsoft Hardware Compatibility Lists
   http://www.microsoft.com/whdc/hcl/default.mspx

   Links to specific O/S fixes, updates needed
   http://support.microsoft.com/
2. For the 8453, UV-Vis ChemStation B.05.xx requires that firmware revision A.3.90 or higher to be installed on the 8453.
3. For the 8454, UV-Vis ChemStation B.05.02 requires Firmware revision A.655.002 or higher to be installed on the 8454.
4. The Server/Workstation Installation of Security Pack is only supported with UV-Visible ChemStation software A.10.01 or higher.
5. For additional important information, refer to the readme.txt file on the DVD
6. The Software Status Bulletin, SSB, and revision history files on the DVD contain other important information for this release of UV-Vis ChemStation
7. Please also read the Software Release Notes that come with your software.

Important Customer Web Links

❑ For additional information about our solutions, please visit our web site at
  http://www.chem.agilent.com/en-US/Pages/HomePage.aspx

❑ Need to get information on your product?
  Literature Library - http://www.agilent.com/chem/library

❑ Need to know more?
  Customer Education – http://www.agilent.com/chem/education

❑ Need technical support, FAQs? – http://www.agilent.com/chem/techsupp

❑ Need supplies? – http://www.agilent.com/chem/supplies

Document part number: G1103-90024