



NEPHELOMETER USB SERIAL PORT DRIVER INSTALLATION

1000 112th Circle N, Suite 100 • St. Petersburg, FL 33716 USA 800-451-9444 / 727-530-3602 www.Sensidyne.com • info@Sensidyne.com

REF: 360-0140-01 (REV C)



USB Serial Ports

The Nephelometer is equipped with USB ports and uses hardware created by Silicon Laboratories. These USB ports emulate RS-232 serial ports only (Virtual COM port). They do no support FLASH memory drives of any type.

The CD-ROM provided contains the USB serial port drivers. Follow these instructions to install the USB serial port drivers.

The CD-ROM is configured to AutoPlay. If successful the following screen should appear. If it does not appear then right-click on the CD Drive device and select AutoPlay.

Sensitive Safety Instrumentation			
User Manual			
Software Manual			
Software Install			
USB Instructions			
USB Drivers			
	Sensidyne Nephelometer		
	USB Driver Installation.		
Adobe Acrobat®			

Click **USB Instructions** to view this document.

Click **USB Drivers** to run **CP210x_VCP_Win2K_XP_S2K3.exe** and follow section 1.1 below.

WARNING—Do not connect the USB cable between the host computer and the Nephelometer until instructed to do so.

Extract all Virtual COM Port Drivers

Initial software setup requires running *CP210x_VCP_Win2K_XP_S2K3.exe* to extract all of the Windows device drivers. Follow these prompts for a typical extraction and installation.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista 🗙			
	Silicon Laboratories CP210x VCP Drivers for Windows 2 Welcome to the InstallShield Wizard for Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista		
	The InstallShield Wizard will copy Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista onto your computer. To continue, click Next.		
	< Back Next > Cancel		

Click Next.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista 🕨
License Agreement Please read the following license agreement carefully. Silicon Laboratories CP210x VCP Drivers for Wi
END-USER LICENSE AGREEMENT IMPORTANT: READ CAREFULLY BEFORE AGREEING TO TERMS THIS PRODUCT CONTAINS CERTAIN COMPUTER PROGRAMS AND OTHER THIRD PARTY PROPRIETARY MATERIAL ("LICENSED PRODUCT"), THE USE OF WHICH IS SUBJECT TO THIS END-USER LICENSE AGREEMENT. INDICATING YOUR AGREEMENT CONSTITUTES YOUR AND (IF APPLICABLE) YOUR COMPANY'S ASSENT TO AND ACCEPTANCE OF THIS END-USER LICENSE AGREEMENT (THE "LICENSE" OR "AGREEMENT"). IF YOU DO NOT AGREE WITH ALL OF THE TERMS, YOU MUST NOT USE THIS PRODUCT. WRITTEN APPROVAL IS NOT A
I accept the terms of the license agreement Print I do not accept the terms of the license agreement InstallShield
< Back Next > Cancel

Click I accept the terms of the license agreement. Then click Next.



Silicon Laboratories CP210x VCP Drivers for	Windows 2000/XP/2003 Server/Vista 🗙
Choose Destination Location Select folder where setup will install files.	
Setup will install Silicon Laboratories CP210x V Server/Vista in the following folder.	CP Drivers for Windows 2000/XP/2003
To install to this folder, click Next. To install to another folder.	a different folder, click Browse and select
Destination Folder c:\SiLabs\MCU	Browse
InstallShield	< Back Next > Cancel

Use the default Destination Folder. Click Next.

Silicon Laboratories CP210x VCP Drivers for W	/indows 2000/XP/2003 Server/Vista 🗙
Ready to Install the Program The wizard is ready to begin installation.	Silicon Laboratories CP210x VCP Drivers for Wind
Click Install to begin the installation.	
If you want to review or change any of your insta the wizard.	llation settings, click Back. Click Cancel to exit
InstallShield	
	< Back Install Cancel

Click Install to begin the installation.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista 🗙
Setup Status
The InstallShield Wizard is installing Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista
InstallShieldCancel

Wait for the installation to complete.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista - Ins				
	InstallShield Wizard Complete			
	The InstallShield Wizard has successfully copied the Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista to your hard drive. The driver installer listed below should be executed in order to install drivers or update an existing driver.			
	Launch the CP210x VCP Driver Installer.			
	Click Finish to complete the Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista setup.			
	< <u>B</u> ack Finish Cancel			

Click on the check box to select *Launch the CP210x VCP Driver Installation*. Then click **Finish**.



🚜 Silicor	n Laboratories CP210x USB	to UART Bridge [Driver Ins	staller	X
8	Silicon Laboratories Silicon Laboratories CP210x U	SB to UART Bridge			
Install	ation Location:		Driver \	ersion 4.40	
C:\	Program Files\Silabs\MCU\CP21	0×\			
Ch	ange Install Location	Install		Cancel	

Click Install to begin the installation and wait to restart your computer.

System	Settings Change			
?	You must restart your computer before the new settings will take effect.			
Do you want to restart your computer now?				
	Yes No			

Windows 2000 Virtual COM Port Driver Installer

Follow these steps to install the Windows 2000 virtual COM port driver.

Connect the USB cable between the host computer and the CP2102 target device. The following window should appear. When is disappear the driver has been installed



To know which COM port was assigned to the USB port follow these instructions.

Go to the Control Panel, click on the System icon window will appear.



^{System} and the System Properties





System Properties	×		
General Network Identification Hardware User Profiles Advanced			
Hardware Wizard			
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.			
Hardware Wizard			
Device Manager			
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.			
Driver Signing Device Manager			
Hardware Profiles			
Hardware profiles provide a way for you to set up and store different hardware configurations.			
Hardware Profiles			
OK Cancel Apply			

Click on the Hardware tab, click on the Device Manager button and the Device Manager window will appear. The Port labeled CP210x USB to UART Bridge Controller shows the COM port in parentheses (COM5).



Windows XP Virtual COM Port Driver Installer

Follow these steps to install the Windows XP virtual COM port driver.

Connect the USB cable between the host computer and the CP2102 target device. The following windows should appear.

🔅 Found New Hardware	🔅 Found New Hardware
CP210x USB to UART Bridge Controller	Your new hardware is installed and ready to use.
and	

To know which COM port was assigned to the USB port follow these instructions.



Go to the Control Panel, click on the System icon ^{5ystem} and the System Properties window will appear.





System Properties	<u>? ×</u>
System Restore Automatic Updates Remote General Computer Name Hardware Advance	a
Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. Device Manager	
Drivers Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers. Driver Signing Windows Update	
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations. Hardware Profiles	
OK Cancel App	y.

Click on the Hardware tab, click on the Device Manager button and the Device Manager window will appear. The Port labeled CP210x USB to UART Bridge Controller shows the COM port in parentheses (COM5).



THIS PAGE INTENTIONALLY LEFT BLANK



Industrial Health & Safety Instrumentation 1000 112th Circle N, Suite 100 • St. Petersburg, FL 33716 USA (800) 451-9444 / (727) 530-3602 www.Sensidyne.com •info@Sensidyne.com