



TECHNICAL BULLETIN

NUMBER 2022 - 013

Date:November 15, 2022Author:Kevin Tularam and Zeeshan AyubSubject:Resetting Firmware on YSI 4010 Meters

There are instances where YSI 4010 meters do not communicate to BOD Pro, despite the correct COM ports and BAUD Rate, which ultimately requires the meter's firmware to be reset.

- 1. Download the following drivers:
 - a. MultiLab USB VCP Driver, found here
 - b. Firmware Update based on model of meter:
 - i. 4010-1W Firmware Update, found here
 - ii. 4010-2W/3W Firmware Update, found here
- 2. After downloading the MultiLab USB VCP Driver, Right-click "CP210xVCPInstaller_x64" and select "Run as Administrator"

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	Name	Date modified	Туре	Size
> 📌 Quick access	x64	2022-11-15 12:47 PM	File folder	
> 🦲 OneDrive	x86	2022-11-15 12:47 PM	File folder	
Y This PC	S CP210xVCPInstaller_x64	2022-11-15 12:47 PM	Application	655 KB
	₹ CP210xVCPInstaller_x86	2022-11-15 12:47 PM	Application	533 KB
> J Objects	🔮 dpinst	2022-11-15 12:47 PM	XML Document	12 KB
> 📃 Desktop	ReleaseNotes	2022-11-15 12:47 PM	Text Document	10 KB
> 🔮 Documents	Silabs_License_Agreement	2022-11-15 12:47 PM	Text Document	7 KB
> 👆 Downloads	slabvcp	2022-11-15 12:47 PM	Security Catalog	11 KB
> 🁌 Music	🔊 slabvcp	2022-11-15 12:47 PM	Setup Information	5 KB
> Pictures				



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CP210x USB to	UART Bridge Driver Installer
Ŵ	To continue, accept the following license agreement. To read the entire agreement, use the scroll bar or press the Page Down key.
	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
	I accept this agreement Save As Print I don't accept this agreement
	(Bark Next) Canad
	Completing the Installation of the CP210x USB to UART Bridge Driver
	The device driver installation wizard did not update any of your software for your hardware devices because it was not better than the software you currently have installed.
	Driver Name Status
	Silicon Laboratories (sila Ready to use

3. After downloading the Firmware update relative to the YSI 4010 meter being used, Right-click "Install_YSI_Update..etc." and select "Run as Administrator".

⊌ Setup - Update 4010-1 2.11	-		×
Select Destination Location Where should Update 4010-1 be installed?		((00)
Setup will install Update 4010-1 into the following folder.			
To continue, dick Next. If you would like to select a different folder,	click Bro	owse.	
C:\Program Files (x86)\YSI\Update 4010-1	B	rowse	
At least 7.7 MB of free disk space is required.			
Ne	xt	Car	ncel



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📥 Setup - Update 4010-1 2.1	1	-		×
Ready to Install Setup is now ready to beg	in installing Update 4010-1 on your cor	nputer.		
Click Install to continue wit change any settings.	th the installation, or click Back if you w	ant to revie	w or	
Destination location: C:\Program Files (x86	s)/YSI/Update 4010-1		>	
	Back	Install	Cano	:el
Setup - Update 4010-1 2.1	1	-		×
(LOM)	Completing the Upda Setup Wizard Setup has finished installing Update 4 The application may be launched by s shortcuts. Click Finish to exit Setup.	He 401	ur comput installed	ter.
		Finish		

4. Navigate to C:\Program Files (x86)\YSI\Update 4010-1. Right-click "Update" and Run as Administrator. **Note:** The file path will vary if using the 2W/3W firmware update. Before starting, ensure the correct COM Port is selected from Device Manager for the YSI 4010 meter.





5. Click "Ok" to begin resetting the firmware on the meter. **Note:** If you are unable to connect to the meter, restart the computer and try again. Furthermore, if there is a prompt that mentions the updated firmware is already on the meter, click **Yes** to proceed anyway.

File Language Help Device Name: Serial number: PCB number Version Attention!: -AutoPht function at the instrument should be deactivated. -If updating via USB the VCD USB driver must be installed on your PC. - It is urgently recommended to exit all programs before starting the download. Connect the USB or serial port of your device with the PC (COM x). Connect the DK button to start the download. I		^
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Name: 27701.000,30740.000 [4010-1]		
Serial number: 21300926,22F103385		
PCB number 26111.000,27345.000		
Version 211.1.04		
Version 2.11, 1.04		
Z.11, 1.04		
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6. The duration of the firmware reset is about 5 minutes. The program will specify if the firmware reset was successful or not. Exit the program, and attempt to reconnect to the DO meter in BOD

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	File Langu	age Help											
	Device												
	Name:		27701.00	0.30740.0	00 [4010-1]								
	Serial numb	er:	21300926	5.22F1033	85								
	PCB numbe	, ,	26111.00	0 27345 0	00								
	Version		211	0,21040.0									
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	The download	may last up to 2	! minutes !							\wedge			
	Store new data Please wait	.11											
	Download sucr	essfully complet	ted !										
	Disconnect the	4010-1 from the	e COM 6 pi	ort.									
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