

CE318-T photometer procedure

Firmware Update of the Control Unit

By following this procedure, you will update your control unit with the last firmware version available. This procedure allows you to keep the settings of the control unit of the CE318-T photometer.

You will need an internet connection and the equipment represented on the picture below.

- 1. Connect the PC to the control unit with the PC cable and USB serial adapter
- 2. Connect power to the control unit with either the battery or AC adapter
- 3. On the control unit, under "Settings", turn Auto "off"



It is possible to proceed to this update on site (by plugging directly the control unit inside the enclosure) and not only indoor (like in the upper picture).

- 4. Download and install the **PhotoGetData** software from Cimel's website: http://support.cimel.fr/down/SETUP_PhotoGetData.exe
- 5. Download, install and run the CIMEL UPDATE from here: http://support.cimel.fr/common/softupg_us.html

Page 1/6



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6. Open PhotoGetData and click the a)"Configuration" menu item and choose b)"Communication" tab, Choose c)"Serial" for Type and the appropriate d) "COM port" and click e)"OK"

🧭 Photo File Tools	etData - Sil	ví setup.k8 elp	a		b	c d e	×
🎯 🛃 Open Save	Add file	Close ASCII Settings C	Configuration Get records				
Latitude: Longitude:	0.0000° 0.0000°	Number: 0 Records: 1					
Type STA	Size 14	Date/Time 16/10/2018 12:09:56	Data 16/10/2018,12:09:56,w.12.8,	Dx1,0x1 Configuration General Data Communication Unk Type: Serial Port: COM2 Viscelaneous Get missing data Unint retrieving days Enable log Enable log Enable auto set time Difference max (sec): 10	Verfunknown records	NOTE: Finding the correport instructions a	ct COM re on the
< COM2: Disco	nnected	15:25:12 V1.00	SP81000200 File loade	<u>ок</u> d.	Cancel	last page	

- **7.** Download the file "Photometer_V2_1_4_190619a_App.phx" from this link: <u>https://travel.cimel.fr/public/photometer-v214-190619a-app-phx</u>
- 8. Click on "Get records"
- 9. Click the "Settings"
- 10. Click on "File"
- 11. Click on "Save" and create a .set file
- 12. Click on "OK"



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File T	ools	Data Help			
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STA		14	16/10/2018 12:09:56	16/10/2018.12-09-56.w, 12.8.0.1,0x1	
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COM2: D	lisconne	cted	16:15:57 V1.00	SP81000200 File loaded.	

13. Select "Tools" then "Update firmware" from the dropdown menu

14. Click on the "..." button and choose the Photometer_V2_1_4_190619a_App.PHX file downloaded in step 7

ſ	Update firmware
	<u>F</u> ile
	Input file
	File version: File size:
	1
	Device
	Firmware version:
	Bootloader version:
	Status
15. Click on "Update"	Current state:
	Total state:
	Update Cancel
	Device found: Disconnected



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16. When the update is complete you will see this window, press "OK"



17. IMPORTANT: Close the PhotoGetData program before going to step 18



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- 18. Reopen the PhotoGetData program and click on "Get records"
- 19. Click the "Settings"
- 20. Click on "File"
- 21. Click "Load" and choose the .set file that you previously saved in the step 11
- 22. Check the box for "Send Settings to Photometer after closing" and click "OK". The new settings are now uploaded to the control unit and can be put back into service

le Tools	Data Help	ose ASCII Settings C	onfiguration Get records			
atitude: ongitude:	-25.9496° 32.5988°	Number: 1181 Records: 1				
STA	15	09/05/2019 13:19:35	09/05/2019,13:19:35,r,12.9,	x87,2		
		2	20 Settings		- 0	×
		2	20 Settings File Save Load	alue	Description Automatic mode [no : yes]. Default: no	×



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23. Under "Settings" on the control unit, turn Auto "on"

To Check for the correct COM port, on your computer go to: **Control Panel > Device Manager > Ports (COM & LPT) >** you will see "**USB Serial Port (COM_)**" this is the COM port the USB is connected to.

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File Action View Help						
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D-1 Computer						
Disk drives						
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J Human Interface Devices						
De Cara IDE ATA/ATAPI controllers						
IEEE 1284.4 compatible printer						
EEE 1284.4 devices						
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> - Keyboards						
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Monitors			E			
Network adapters						
Ports (COM & LPT)						
Transmitter Communications Port (COM1)						
	US.	B Serial Port (COM8)			
USB Serial Port (COM8)						
Processors						
Smart card readers						
Sound, video and game controllers						
Storage controllers						
⊳ 📲 System devices						
👂 🏺 Universal Serial Bus controllers						
► C= WD Drive Management devices			~			



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