## Technical note

Updating WXT530 software through service port **wxT530** 

## Updating WXT530 firmware through service port

Perform the firmware update through the service port. RS-232, RS-485, RS-422, and SDI-12 are not supported. Perform the update locally, remote connection is not supported.

- USB drive with WXT530 Software Loader package (SW211285)
- Laptop computer (Microsoft® Windows® 7 32-bit and 64-bit or Windows® 10 64-bit)
- WXT530 service cable and Vaisala Configuration Tool software (220614)

## Updating through service port

- ▶ 1. Connect the USB drive with the WXT530 USB cable drivers to your computer USB port.
  - 2. To install the cable drivers on the computer, run *setup.exe*.
  - 3. Connect the WXT530 USB cable to the computer USB port.
  - 4. To find the COM number assigned to the USB cable adapter, open **Vaisala USB Device Finder** on your computer.



Write down the COM port number.

- 5. To install Vaisala Configuration Tool on your computer, run *WXTConf-Setup.exe* from the USB drive.
- 6. Start Vaisala Configuration Tool.
- 7. To establish a connection to WXT530, select **File > Connection Setup**.
- 8. To save WXT530 configuration settings, select **File > Profile Manager > Read from Device > Save** as.
- 9. Close Vaisala Configuration Tool.
- Unzip the WXT530 firmware package to your computer hard drive. Depending on your Windows system, select either 32-bit or 64-bit WXTLoader.exe.
- 11. Select **Configuration > Serial port** and type the serial port number you wrote down.



PUBLISHED BY Vaisala Oyj Vanha Nurmijärventie 21 FI-01670 Vantaa, Finland © Vaisala Oyj 2020 All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. Any reproduction, transfer, distribution or storage of information contained in this document is strictly prohibited. All specifications – technical included – are subject to change without notice.



12. Select the following **Serial port setup** settings:

ኞ WXT5xx image loader	- 🗆 X
Serial port setup	Close Configuration
Serial port setup	
Serial port	COM5
Baud rate	19200
Data	8 bit
Parity	none
Stop	1 bit

- 13. Select **Upload information > File to upload**, select the firmware file (*hex*) from your computer, and select **Close**.
- 14. Connect the WXT530 service cable to the WXT530 service port.

15. When Status is Connected to device, select Upload.

🗟 WXT5xx image loader — 🗆 🗙								
VAISALA	<b>15:08:41</b> 2020-01-24	Status:	Connected to device				₽Exit	
Overview	Configuration	Licenses						
Product information:								
Product typ Order code: Serial Numb	e: per:	WXT: 5D4B2K1A1A L4320:	530 MB 544	Software version: Software version became:			3.85	
Upload Information File to Upload:				Upload Status				
<< W Upload	/XT530_hex_v38	5.hex			×	0%		
Store WXT configurations before upd		before update !		Completed				
							v 1.0.5	

When Upload Status is 100 %, the firmware update is completed.

- 16. To close the program, select **Exit**.
- 17. Launch Vaisala Configuration Tool.
- 18. Establish connection to WXT530.
- 19. To restore WXT530 configuration settings, select **File > Profile Manager > Write to Device**.

6

After updating the firmware, WXT530 is in CLI mode.

To operate WXT530 in Modbus mode, see *Modbus RTU Protocol Available for WXT530* release note.