

CC-Vision Software History



Version no.	Instrument	bug fixes service (read me file)	Description of new feature (read me file)	comments	Basic	E-Cal
5.5.0	X-am 2000	correction of faulty report - correct calibration data on printout		The calibration date was shifted.	X	X
	X-am 2000		special Ex-gas is now valid for X-am 2000, X-am 3000 and Pac Ex 2	new menu point: Autocalibration → Ex cal.gas (Propane, Butane, Pentane, Hydrogen)		X
	X-am 3000					
	Pac Ex 2					
	X-am 2000		Smart Cat-Ex and Cat-Ex 125 added to sensor list			X
	X-am 7000					
	Pac 7000		Support of new Pac 7000 NH3 instrument		X	X
	X-am 2000		Timing improved for instrument detection in X-am 2000 E-Cal module			X
	X-am 2000		Save backup files for X-am 2000	During the configuration of the X-am 2000 CC-Vision stores a back-up file (Extras - Options). By returning these back-up file to the instrument a failed instrument can be repaired.	X	X
	X-am 7000		Integration of Dräger Mobile Printer, so that bump test data can be read out		X	
	Pac 7000					
	X-am 2000					
	X-am 7000		new bump test parameters for X-am 7000,	new options for bump test:	X	X
	X-am 7000		add new sensor 6811430 in X-am 7000 for Vol.% calibration			X
	all instruments		datalogger download possible with E-Cal USB	Adjustment from 2x RS232 to 1x USB interface. A datalogger download was not possible, e.g. using the GO-button.		X

	X-am 2000		Read out bump test data from X-am 2000	read out bump test data from the Mobile Printer	X	
	X-am 1/2/5000		Integration of network configuration wizard to connect Mobile Printer via network		X	
	Pac 1-7000				X	
	X-am 2000		Improvement calibration of X-am 2000	while checking the instrument after a failed calibration the tolerance range has been enlarged.		X
5.8.9	X-am 2000	bugfix in user interface of X-am 2000 calibration dialog				
	X-am 7000	bugfix in communication with X-am 7000				
5.9.6				wrong O2 calibration concentration. Instrument went into failure.	X	X
	X-am 2000	calibration of X-am 2000 O2 sensor				
	Pac 1-5000		Enhancement Bumptest Pac 1000-5000	adjustment to Firmware 2.0	X	X
	X-am 5000		creation of new X-am 1/2/5000 release with X-am 5000 integrated	new CD containing also X-am 5000	X	
	Pac 7000		Support of new instruments	new: Pac 7000 H2S-LC, Pac 7000	X	X
6.0.6	X-am 5000	bugfix related to CatEx sensor		when changing the LEL-factor the measuring range shows now 0-100%	X	X
	X-am 2000	instrument will be found the first time		improved communication between E-Cal module and X-am 2000		X
	X-am 5000	correct unit in print report after calibration		In Fullrange Ex-Mode the unit on printout had always been %LEL/%LIE/%UEG, but not Vol% what is correct. This has been fixed.	X	X
6.0.6	n/a		Modification in User-Management	improvement in "Go-Button-Only" mode		X
	X-am 5000		Silent mode for x-am 5000 realized			X
	X-am 2000		Enhancement 4 new part numbers available		X	X

	X-am 7000		Bump test interval added.	Will be supported only with the next X-am 7000 software release (higher than V1.72).	X	X
	X-am 2000		Support Firmware V3.8 (incl. Silent mode in E-Cal)		X	X
	n/a		modified message boxes after communication problems	more self-explanatory messages, bigger characters, improved optic	X	X
	X-am 2000		Differentiation between X-am 1100/1700/2000 on printout of Mobile Printer	only production version, first configuration		
	n/a		Support gas for 10 instruments at the same time instead of 5 + 5			X
	X-am 7000		Zero gas for X-am 7000 / IR-CO2 enabled for customers	zero gas for O2 sensor disabled in service release, zero gas (e.g. N2) enabled (only for IR-CO2 in X-am 7000)		X
6.1.2.0	n/a	Bugfix for GO-Button. Combinations are possible again				X
6.1.2.0	X-am 7000		Acknowledge after calibration causes alarm stop. No sound penetration			X
6.1.4	X-am 5000		Support of H2S-LC in X-am 5000		X	X
	X-am 5000		Complete support of CO/H2 sensor		X	X
6.1.7	Pac X000		Support of software version V2.2	Attention! New Pac firmware is not compatible to CC-Vision version lower than 6.1.7	X	X
	n/a		Improvement of new print protocol		X	X
	n/a		Preparation of 6 gases in calibration dialog.			X
6.1.8	X-am 5000	No creation of protocol file while sensor change. this caused permission problems.		During a sensor change CC-Vision created a protocol file on drive C:\. With not enough administrator rights this caused problems.	X	X
	Pac X000	shift length display in correct unit.		The shift length was shown in minutes, now in hours.	X	X

	Pac X000	Display correct calibration date of Pac X000 in history and printout.		No need to calibrate twice to get a correct date on the printout.	X	X
	Pac 1000/3000	Bugfix to differentiate between Pac 1000 and 3000.		Pac 1000 wasn't recognized as a Pac 1000	X	X
6.1.9	X-am 2000	Time after calibration extended for correct measurement.		Time between calibration and test measurement has been extended. Now all data are shown correctly on the report.	X	X
	X-am 5000		New XXS-HC (CO HC, PH3 HC, H2S HC) sensors integrated.		X	X
6.2.0	X-am 5000		Rules for XXS-HC sensors modified	The XXS HC sensors are now permitted for a bump test and one-button cal participation. But, they are not set default and have to be manually activated.	X	X
6.2.2	X-am 2/5000	Drägerware compatibility for X-am 2000 and 5000		Drägerware software classifies according to sensor serial numbers. The non-smart XXS sensors do not record the sensor serial numbers. Even during the production process the sensor serial numbers are not manually registered within the instrument. The actual CC-Vision generates simulated sensor serial numbers from the instrument serial numbers, which have no relationship to the	X	X
	X-am 5000		modified sensor link file	New sensors (e.g. XXS NO) are added to the sensor file.	X	X
	X-am 2/5000		compatible to Drägerware		X	X
6.2.6	X-am 5000	Correct switch of "Save Energy Mode" for CatEx sensor.		Using the Safety Energy Mode the correct calibration date is set after a calibration.	X	X

6.3.1	X-am 7000 Pac x000	Grace Period bump test and calibration range changed				
	Pac X000		Support of Pac 3500 / 5500		X	X
	Pac 7000		Support of Pac 7000 firmware V3.0		X	X
	n/a		French language added	Installation, navigation and IfU in French	X	X
	Pac 5000	Timeout Pac 5000 Eventlogger reduced				X
	n/a	Cross-Calibration of 3 vapors with propane within IR EX possible.				X
	Pac 7000	Units will be switched off before calibration				X
	X-am 7000	X-am 7000 Smart IR-Ex gas concentration lower limit to 20 Vol%				X
	X-am 2/5000	Hint when configuration changed to "Span cal after neg. Bump test"		one button calibration and bump test values are combined.	X	X
	X-am 2000/5000/7000 Pac XX00	X-am 2000/5000/7000/Pac XX00: Hint when bump test concentration is lower than A1				
6.3.2	n/a	Mobile Printer: Files are saved in data folder				
	Pac X000		Pac O2 works with GO-Button Fresh Air, Span and Bump test			X
	n/a		XXS E sensors integrated			X
	n/a		A2 alarm of Ex sensors in X-am 2000, X-am 5x00 and X-am 7000 are limited to 60 %UEG / %LEL / %LIE	Due to new MED directive the alarm is changed		
	n/a		USB devices will be found automatically	The COM-port of the USB instrument will be identified automatically by the CC-Vision, when USB drivers are installed.	X	X
6.3.2	X-am 2000	E-Cal bugfix: Calibration X-am 2000 with many units will cause loud alarming				X

	n/a	E-Cal bugfix: all USB drivers will be detected.			X
	Pac Ex 2	E-Cal bugfix: Improvements regarding bump test and calibration			X
	X-am 7000	E-Cal bugfix regarding calibration PID sensor			X
	X-am 5000 X-am 7000	Bugfix: Unit conversion (Vol% - %UEG) for X-am 7000 / 5000	Unit conversion for X-am 7000 / 5000 is done automatically		X
	n/a	List of Quicktest gases upgraded (OV with EO and CO possible)	Alternative to the bump test		X
	X-am 2000	X-am 2000: Different calibrations of Ex-sensor with pentane possible			X
	X-am 2000, Pac Ex 2, X-am 3000	Ex-calibration: Separate Dialog for Ex-gas selection (X-am 2000, Pac Ex 2, X-am 3000)			X
	X-am 7000	Cross calibration of Cat-sensor with pentane possible			X
6.3.4	X-am 7000	Calibration of PID Sensor			X
	X-am 2000	silent calibration also with higher amount of units			X
	X-am 7000/5000	gases can be entered in any unit			X
	all	USB Driver detection corrected			X
	X-zone	support of X-zone		X	
	all instruments	Facelift	New Icons and startup screen	X	
	all instruments	Quicklist updated	Quicktest of OV with EO or CO possible		X
	Pac Ex 2	Improvements for bump test and calibration			X

6.4.3	X-am 2000/3000, Pac Ex 2		New dialog for Ex calibration			X
	X-am 7000		Pentane cross sensitivity calibration possible			X
	X-am 5000	Fresh Air and Span calibration is now working at the same time				X
	n/a	Calibration date corrected for Span cal after neg. bump test				X
	Pac	Bug fix calibration interval Pac			X	
	X-am 125	Vol% settings for Cat-Ex fixed			X	X
	n/a	Flow error for faster PCs fixed				X
	n/a		Sensor with "no gas" will be highlighted with different color			X
	X-am 5000		Grace period can be set to zero	failure with warning possible	X	X
	n/a		DL and EL will be erased after Firmware Upgrade			
	n/a		new Datalogger DLLs	support of Windows 7 drivers	X	X
	X-am 5000		Ozone support (O3)		X	
	n/a		Text export of calibration history possible		X	X
	n/a		Expert Function revised		X	
	n/a		Clock sync option will enable data logger delete option	data logger has been deleted always after clock sync		X
	n/a		Successful quicktest will reset bump test interval			X
	Pac 3/5500		Eventlogger Download Support	Eventlogger can be downloaded via Ecal If "automatic download" of datalogger is selected (GO button config), the eventlogger of Pac 3/5500 will be downloaded as well		X
	n/a		Quicktest support for Ecal database version			X
	n/a		Quicktest accelerated: t90 timeout removed			X

	n/a		Ecal accelerated: no "flush" after zero and fresh air cal			X
	X-am 7000		Span gas for CO2 HC implemented	X-am 7000 can be used with Ecal even if Smart IR CO2 and Smart IR CO2 HC are used in one station		X
	Pac Series		Span cal concentration adjustable even on neg. BT cal	Even if calibration after negative bump test is selected, a different span gas concentration can be entered	X	
	X-zone 5000		status bar for X-zone implemented	Data logger readout shows status bar	X	
	n/a		Windows 7 drivers integrated in setup	New drivers added and will be installed in silent mode during CCV installation	X	X
6.4.4	n/a	repair of import/export function "gas configuration"				X
6.4.7	X-am 5000	CalConc of Ex will be change correctly even if "Rewrite" mode is set			X	X
	Multiwarn II		Support of IR CO2 sensor in Multiwarn II			X
6.5.0	X-am 125		Support of Cat-Ex 125 PR and SW Update 4.x for X-am 125	SW update to 4.x for X-am 125 necessary to use Cat-Ex 125 PR	X	
6.5.1	X-am 7000	X-am 7000 communication fix				X
	X-am 125		Support of Cat-Ex 125 PR			X
	X-am 5600		Support of Pentane and C2H4			X
	all instruments		Quicktest threshold A1 or A2	Ease of quicktest use; complete list and A1 or A2 available		X
6.5.7	miscellaneous	Resolution fix for wide-screen monitors		screen fix (not all parts visible)	X	
6.6.0	X-am 125		Missing cross sensitivity file added for Cat-Ex 125 PR			X
6.6.5	X-am 125	Improvement for communication with X-am 5x00 / DIRA			X	
	X-am 125	bug fix calculation ppm to mg/m3			X	
	X-am 125	5600 CSA UL support		Not included in previous version	X	
	X-am 7000		Firmware update for X-am 7000 v2.01	Support of Smart Cat-Ex PR	X	

	X-am 125		Support of X-am 5100		X	
	Pac 7000		Support of Pac 7000 v3.1		X	X
	PAC 35/55		Support of Pac 35/5500 v3.5		X	X
6.6.8	All	Silencing of instruments during E-Cal calibration reintroduced.		This function was lost with CC-V 6.6.7		X
	X-am 5X00	New sensor code for XXS O2 100			X	
	PAC	Read-out error after failed calibration fixed			X	X
6.6.9.1	All	Bug fixed: Incorrect values in calibration certificate			X	X
	X-am 5X00	BUGFIX: Version check on v6.0 in sensor configuration for XXS O2 100 accidentally applies for all "4-pin sensors"			X	X
	X-am 7000	BUGFIX: Quick test list now also includes Smart CatEx (PR) series				X
	X-zone		Support of X-zone firmware v1.13	see also SW History X-zone	X	
	PAC 35/55		Support of Pac 35/5500 v3.6	see also SW History Pac Series	X	X
	PAC 7000		Support of Pac 35/5500 v3.2	see also SW History Pac Series	X	X
	PAC 35/55		Now choseable if EL should be reset or not after read out		X	X
6.7.7		minior bugs fixed				
	Pac 35/55		Support of Pac 3/5500 v3.7	Special version for Exxon	X	X
	Pac 7000		Support of Pac 7000 v3.2	X-dock support	X	X
	X-am 2000		Support of X-am 2000 v6.0	X-dock support	X	X
	X-am 5x00		Support of X-am 5x00 v6.3	X-dock support	X	X
	X-zone		Support of X-zone v1.15	X-zone FW Update	X	
	X-am 125 / Pac		Reset X-dock Alarm Test Errors	Function implemented to reset alarm test errors set by X-dock (vibration, LED, horn)	X	
	Pac 7000		BT Off, Extended BT and Quick BT for Pac 7000	Bumptest has been aligned to X-am 5x00	X	X
	n/a		Layout change	Bumptest layout improved (Bumpteststation / X-dock)	X	X

6.7.8 Release 07.01.2013	n/a		Sensor data sets updated	New sensor data sets integrated (improved X-dock support)	X	
	X-am 125 / Pac		Update procedure improved	Sensor configuration after update is improved (improved X-dock support)	X	
6.7.9 Release 08.01.2013	X- 5x00	Problems with version 6.0 fixed		Footprint error message appeared while using CCV 6.7.8 and X-am 5x00 with FW 6.0. This issue has been fixed.	X	
6.8.0 Release 21.01.2013	X- 5x00	Problems with version 6.4 fixed		Footprint error message appeared while using CCV 6.7.8 or 6.7.9 and X-am 5x00 with FW 6.3 or 6.4. This issue has been fixed.	X	
6.8.2 Release 04.03.2013	X-am 125 / Pac		New firmware available	Firmware 6.4 (X-am 2500/5x00) and Firmware 4.0 (Pac 3500/5500 and 7000) available	X	
	Pac		Support of Pac Instrument with FW 4.0	Support of Pac 7000 and 3500/5500 4.0	X	X
	X-am 125		Support of X-am 2500		X	X
6.8.4 Release 11.07.2013	X-am 125		Support of firmware v6.6	Version 6.6 includes "blackout" changes (fullrange mode cancelled)	X	X
	X-am 125		Reset (restart) of X-am 125 devices which are in "alarm lock"	This function will reset the locked alarm by restarting the device. "Alarm lock" will happen after over-exposure >1X0%UEG	X	X
	X-am 125		One button for all X-am 125	Buttons have been merged: X-am 1700/2000, 5000, 5600 and 5100 will now be able to work with one CCV button	X	X
	X-zone		Support of FW v2.20	Support of new X-zone firmware v2.20	X	

	X-am 125		Rework of Vol% calibration	Based on new v6.6 and the circumstance that fullrange mode is not existing anymore, a TOX calibration is now necessary before Vol% calibration for Cat-EX is granted		X
	All EX	Fix for LEL category during gas change		LEL category was not taking into account during gas change. This bug is now fixed.	X	X
	All O2		Extended alarm configuration for O2 removed	Based on the new EN50104 the advanced alarm settings for O2 are not available in the customer version anymore	X	X
	X-am 2000		X-dock errors can fully be reseted	Functionality "Reset of X-dock errors" in the menu has been extended	X	X
	X-am 7000	Failed calibration of X-am 7000 locks instrument		Bug was fixed that a failed calibration didn't lock the X-am 7000	X	X
	X-am 7000		Telemetry function X-am 7000 removed	Function removed as it had no functionality behind	X	X
6.8.5 Release 12.08.2013	X-am 125	Sensor change of Cat-Ex sensor could cose and error			X	
6.8.6 Release 24.09.2013	Cat-Ex Sensor		Calibration interval can be set up to 366 days	Sensor data set must be refreshed (e.g. change gas assistent)	X	
	Cat-Ex Sensor		Calibration concentration can be used down to 20%LEL (minimum calibration concentration)	Sensor data set must be refreshed (e.g. change gas assistent)	X	
	X-am 125	Errors caused based on user data check can be fixed automatically by CCV		FW 6.6 is validating the user data and e.g. wrong LEL values could cause errors after the update	X	

6.9.3 Release 07.03.2014	X-dock		Support of sensor-reserve/vitality functionality in X-dock. Setting of sensor part numbers possible during sensor exchange.		X	X
	X-am 125		Display of accepted test gas concentrations		X	
	All	Design of dialog during bump test via CCV improved			X	
	X-am 7000	Refreshing of calibration date corrected			X	
	X-am 125	Range display during sensor exchange corrected			X	
	XXS CO/H ₂ comp	XXS CO/H ₂ comp. sensor will use the same calibration interval for CO and H ₂ channel. CO can be set.			X	X
	Sensors		Internet-link added to easily find sensor data handbook		X	
6.9.8 Release 14.07.2014	CC-Vision / Sensors		Introduction of new sensor data "suffix" concept	To ease the management of "sensor data sets" a new concept has been introduced. In a nutshell: Sensor codes will not change that often anymore and sensors will accept all compatible sensor data sets. Result: In many cases new sensor batches will be supported by older CC-Visions - no update necessary... and older sensors can benefit of new sensor data sets.	X	X
	CC-Vision / Driver		Introduction and support of new IR interface driver (Windows 8 certified)	Support of Pac 7000 and 3500/5500 4.0	X	X

6.9.9 Release 04.09.2014	X-am 2500/5x00		Introduction and support of firmware 6.9 for X-am 2500 and 5x00 devices.	With v6.9 the X-am 2500 and 5000 offer the possibility to perform automatic cross sensitivity calibrations.	X	X
6.14.0 Release 27.03.2015	Pac 7000 OV		Support of new OV and OV-A sensors for Pac 7000 instruments	Pac 7000 OV and OV-A will now use the sensor change assistant to enter code numbers. This change enables Pac 7000 to use the current generation of OV and OV-A sensors.	X	X
	Ecal		New GO button option: freshair+bump test			X
	X-am 125	Correction of LEL factor for calgas!=bump test gas			X	X
	X-zone	Removal of X-zone 5500 12h versions (not existing)			X	
	X-am 7000		Support of X-am 7000 v2.10		X	X
	X-am 5000		New DLL		X	X
	Software		New application Icon		X	X
6.15.0 Release 27.04.2015	Pac		Support of new US partnumbers		X	X
	E-Cal		Start of modified expert dialog now from gas configuration and expert dialog X-am 2000 and X-am 7000 changed and splitted. FW 6.9 for X-am 125 necessary in case of cross sensitivity calibration. Cross calibration will use settings of CCV (target gas, cal gas, bump test gas)			X
6.15.0 Release 20.11.2015	E-Cal	X-am 7000 new Datalogger DLL	New 2in1 EC sensors in X-am 5x00 possible			X

7.0.1 Release 29.05.2015	X-dock		Template Configuration for X-dock System With this release CCV is able to create a template to be distributed to X-docks via XDM or USB to configure X-am and Pac instruments.		X	
	Pac 7000 CO	HB mode can be activated again			X	
	X-am 7000	Firmwareupdate: Time-out handling improved to prevent loss of display type			X	
7.1.0 Release 21.09.2015	X-dock	Templates use UNICODE to prevent errors caused by special characters			X	
	Pac 7000 CO	Fix for Pac Ex 2 causing instrument error			X	
7.1.0 Release 19.10.2015	X-am 5000/ X-am 5600		New 2in1 EC sensors in X-am 5x00 possible		X	
7.1.1 Release 05.06.2016	X-am 2500/5000		New CatEx PR sensor data set supported and integrated: Cross calibration with methane to vapors now possible		X	
7.1.6 Release 02.09.2016	Software		New language spanish added		X	X
	Ecal		New sensors CO-LC/O2, H2S-LC/CO-LC and CO-LC added for testing			X
	Pac 3500		Support of new part numbers		X	X
7.1.7 Release 23.09.2016	Software		Online help available		X	X
7.2.0 Release 18.01.2017	X-am 2000 + Pac 35/5500		New sensor data set via basic init or data update for XXS O2		X	
	X-am 125	Fixed part numbers with deactivated/removed sensors can now add sensors again			X	

	CO/H2 comp XXS		XXS CO/H2 comp: H2 channel calibration always active (no option anymore)		X	
	X-zone		Frequence for Japan added		X	
7.2.4 Release 29.05.2017	X-act	X-act language setting fixed			X	
	X-dock	Template issues fixed			X	
	Pac Series	Missing DLL added			X	X
	X-am 125		New Firmware v7.1		X	
	X-act		New firmware v2.5.9		X	
	CCV		Log files: Directory moved		X	X
	X-am+Pac		GSR export added		X	X
	CCV		Windows 10 automatic driver installation		X	X
	X-am Pump		Firmware functionality added		X	
7.3.0.1 Build 002 Release 06.10.2017	X-am 8000		Support of new gas detector X-am 8000		X	
	Sensors		Additional data sets available		X	
	CCV		Russian language added		X	
7.3.5 Release 05.03.2018	Pac 6x00/8x00		Support of new gas detector Pac 6x00/8x00		X	
	X-am 3500		Support of new gas detector X-am 3500		X	
	X-am 125		Switch off Capture Range possible		X	
	X-zone	Configuration upload problem japan version fixed			X	
	X-zone		FW 2.2.7 introduced		X	
	Sensors		New data sets with lower temeratures		X	
7.2.4.8 Release 08.03.2018	X-am Pump		Firmware functionality added			X
	CC-Vision		GSR-Export enabled			X
	CC-Vision		GSR-Export improved regarding calibraton history			X
7.3.6 Release 05.04.2018	X-am 8000		Support fimware V01.02.08		X	
	X-am 8000		Improvement communication process		X	
	X-am 8000		Improvement lifetime usage		X	
	X-am 8000		Gasname Ex and fullrange mode possible together		X	

7.3.7 Release 27.04.2018	X-am 8000		Support firmware V01.02.09		X	
7.3.8 Release 05.06.2018	X-am 8000		Support firmware V01.03.13		X	
	CCV	Calibration issue fixed which could result in crash of CCV			X	
7.3.9 Release 03.09.2018	Pac 6x00/8x00		Firmware Update 7.04 available		X	
	CCV	DLL links corrected			X	
	X-am 8000		BT support improved		X	
	X-am 8000		Unit handling of EX improved (e.g. full range)		X	
7.4.1 Release 10.01.2019	X-am 8000		Repair function which clears all logger		X	
7.4.1build4 Release 11.02.2019	X-am 8000		Support firmware V1.3.18		X	
7.4.3 Release 04.03.2018	X-am 8000		Support firmware V1.3.18		X	
	X-am 8000		New SDS PID sensors added		X	
	CC-Vision		Menu to open datalogger files combined		X	
7.4.5 Release 17.04.2019	Pac FL		Support firmware v7.09		X	
	CC-Vision		Update of Online-Help		X	
	X-am 5600		H2 calculation skipped for HC sensor		X	
7.4.6 Release 02.07.2019	X-am 8000		FW V1.3.27		X	
	X-am 125		FW V7.6		X	
	X-am 125		Calculation of next cal dates corrected		X	
	Sensors		New datasets		X	
	X-am 8000		Freshair-Calibration for CO2 added		X	
7.4.7 Release 26.07.2019	X-am 8000		DLLs and languagefiles updated (regarding error in X-am 8000 datalogger)		X	
	X-am 5100		FW 7.6 for X-am 5100 included		X	

	Pac and X-am 125		SAP launch for Pac und X-am 125 devices without adjustment interval		X	
	Pac and X-am 125		3 Radiobuttons for Pac FL and X-am 125, to disable the adjustment interval		X	
7.4.8 Release 09.12.2019	Sensors		new sensor data sets added		X	
	Pac FL		Freshair-Calibration for CO2 added		X	
	X-am 8000	"list&label" failure, print not possible			X	
	X-am 8000	Drop-detection Event logger			X	
	CC-Vision	Language not found on WIN 7			X	
	CC-Vision	integration hygiene mode in alarmconfiguration			X	
7.4.9 Release 11.03.2020	Sensors		new sensor data sets added		X	
	CC-Vision		integration of X-act 7000		X	
	Pac FL		new Firmware Pac devices		X	
	X-am 8000		new Firmware for Battery of X-am 3500/8000		X	
	X-am 8000		serialnumber of sensors are mandatory on sensor change by X-am 3500/8000		X	
	X-am 8000	new Dual IR Ex/CO2 HC sensor only on HPP1 for X-am 8000			X	
	CC-Vision	bug fixed: "list&label" failure print X-am 3500/8000 on WIN 10/Microsoft 365			X	
	CC-Vision	bug fixed: time/shift length on alarm config.			X	
	CC-Vision	bug fixed: BT interval status for X-am 3500/8000			X	
7.5.0 Release 19.05.2020	Sensors		new sensor data sets added		X	
	X-am 2500/5X00		new Firmware X-am series		X	
	X-am 8000		new Firmware X-am 3500/8000		X	
	X-am 2500/5X00 Pac devices		serialnumber of sensors are mandatory on sensor change by X-am series and Pac devices		X	
	CC-Vision	bug fixed: device protocol on CC-Vision			X	
7.5.1	Sensors		new sensor data sets added		X	

Release 14.09.2020	CC-Vision	bug fixed: calibration date			X	
	CC-Vision	bug fixed: comment function			X	
	CC-Vision		new functions in Report		X	
	X-act 7000		new Firmware for X-act 7000		X	
	X-am 8000		new Firmware for Battery of X-am 3500/8000		X	
	CC-Vision		List & Label printing for X-am series and X-Zone		X	
	Pac devices		extended capture range for CO sensors on PAC 6X00/8X00		X	
7.5.2 Release 02.02.2021	Sensors		new sensor data sets added		X	
	X-act 7000		new Firmware for X-act 7000		X	
	Sensors		new PID GasLibery and sensor data set		X	
	CC-Vision	bug fixed: List&Label printing			X	
	CC-Vision	bug fixed: calibration certificate			X	
	X-act 7000	bug fixed: driver for X-act 7000			X	
	X-act 7000	bug fixed: datalogger export X-act 7000			X	
	Sensors	bug fixed: adjustment in % by Vol. an CAT Ex 125 PR Gas			X	
7.2.5.0 Release 15.04.2021	E-Cal	Bug Fix: Security Issue		Security Patch for Security Vulnerability of CC-Vision E-Cal version 7.2.4.8 or lower		X
7.5.3 Release 15.04.2021	X-am 8000		new Firmware for X-am 8000		X	
	Pac devices		new Firmware for Pac 6X00/8X00		X	
	X-zone		new Firmware for X-zone 5X00		X	
	Sensors		new sensordatasets added		X	
	Pac devices		extended capture range for CO sensors on PAC 6X00/8X00 on CC-Vision Menu		X	
	X-am 8000	Bug Fix: energy save mode function on CC-Vision for X-am 3500/8000			X	
	CC-Vision	Bug Fix: Security Issue		Security Patch for Security Vulnerability of CC-Vision version 7.5.2 or lower	X	
7.5.4	Pac devices		new added Pac Connect device		X	

Release 28.10.2021	Pac devices		extended capture range for CO sensors on PAC 6X00/8X00 on CC-Vision Menu		X	
	Sensors		new sensordatasets added		X	
	CC-Vision		new added datalogger 2.0		X	
	CC-Vision		new added GATT licence activation		X	
	CC-Vision	Bug Fix: several parts of functionality of cc-vision and devices			X	
	CC-Vision	Bug Fix: printing error			X	
7.7.7 Release 07.07.2022	CC-Vision Classic			This version is a extract of CC-Vision Basic version 7.5.3 and includes only the following devices: - Multiwarn II - Miniwarn - Pac III - Pac Ex 2 - X-am 3000 - all current devices will provide with CC-Vision Basic version 8.X.X or higher! (e.g. X-am 2500/5X00, X-am 3500/8000, X-zone 5X00, X-act 7000)	X	
8.0.0 Release 22.07.2022	Sensors		new sensordatasets added		X	
	X-am 2800		new added X-am 2800 device		X	
	X-am pump		new firmware X-am pump		X	
	CC-Vision	Bug Fix: Datalogger save functions "Unknown Format"			X	
	CC-Vision	Bug Fix: several parts of functionality of cc-vision / devices			X	
8.0.3	Sensors		new sensordatasets added		X	

Release 04.10.2022	Pac devices		new added Lifetime extension Pac 6000 licence activation		X	
	CC-Vision	Bug Fix: Mistaken of calibration and bump test gas in X-am 2800 while change of sensor			X	
8.0.4 Release 11.01.2023	Sensors		new sensordatasets added		X	
	X-am 2800		new firmware for X-am 2800		X	
	CC-Vision		new added GATT licence activation for X-am 2800		X	
	CC-Vision		new added Update-Repair function for Pac and X-am 2800		X	
8.0.6 Build 12 Faulty and	Sensors		new sensordatasets added		X	
	Pac devices		new firmware for Pac devices		X	
	X-am 2500/5X00		new firmware for X-am 2500/5X00		X	
	CC-Vision	bug fixes for X-zone 5800			X	
8.0.6 Build 21 Release 27.03.2023	Sensors		new sensordatasets added		X	
	Pac devices		new firmware for Pac devices		X	
	X-am 2500/5X00		new firmware for X-am 2500/5X00		X	
	CC-Vision	bug fixes for X-zone 5800			X	
8.0.7 Release 15.05.2023	Sensors		new sensordatasets added		X	
	X-am 5800		new added X-am 5800 device		X	
	X-am 2800/5800		new firmware for X-am 2800/5800		X	
	X-act 7000		new firmware for X-act 7000		X	
	CC-Vision	general smaller bug fixes			X	
8.0.8 Release 08.08.2023	Sensors		new sensordatasets added		X	
	Pac devices		new added Pac 8000 with H2 device		X	
	Pac devices		new firmware for Pac devices		X	
	X-act 7000	bug fixes for X-act 7000 Service			X	
	CC-Vision	general smaller bug fixes			X	
	CC-Vision		new function for downloading production certificates of devices		X	
8.0.9 Release 31.08.2023	Pac devices	bug fix for Pac 6500 updates			X	
	CC-Vision	bug fix regarding old X-dock templates with Pac			X	
	CC-Vision	bug fix SDS Update			X	

8.0.10 Release 31.10.2023	X-am 2500/5X00		new firmware for X-am 2500/5X00		X	
	X-am 8000		new firmware for X-am 8000		X	
	X-am 2000	bug fix firmware update			X	
8.0.12 Release 06.11.2023	X-am 2800	bug fix debug export X-am 2800/5800			X	
	X-am 2500/5X00	bug fix datalogger X-am 2500/5X00			X	
8.1.1 Release 22.03.2024	Pac devices		new firmware for Pac devices		X	
	X-am 2800/5800		new firmware for X-am 2800/5800		X	
	Sensors		new sensordatasets added		X	
	CC-Vision	general smaller bug fixes			X	
	CC-Vision		implemented "overview compatibility of X-dock firmware and device firmware"		X	
	CC-Vision			As of CC-Vision version 8.1.1, the user management has been revised. If you have previously used the user management, it will be deactivated and deleted after the installation. You must reactivate it and create the users again with the new criteria. It is not possible to transfer the old user authorizations!	X	
	CC-Vision		new user management implemented			
8.1.2 Release 07.08.2024	CC-Vision		new license text and open source list		X	
	X-am 2800/5800		new firmware for X-am 2800/5800		X	
	Sensors		new sensordatasets added		X	
	CC-Vision		excel-export for datalogger		X	
8.1.4 Release 29.10.2024	CC-Vision	general smaller bug fixes			X	
	X-am 2800/5800		new firmware for X-am 2800/5800		X	
	Pac devices		new firmware for Pac devices		X	
	Sensors		new sensordatasets added		X	
	X-am 2800/5800		new added X-am 2600 device		X	
	CC-Vision		improvement of Wibu licensing for X-am and Pac devices		X	
	CC-Vision	bug fix of Excel-Export			X	
	CC-Vision	general smaller bug fixes			X	