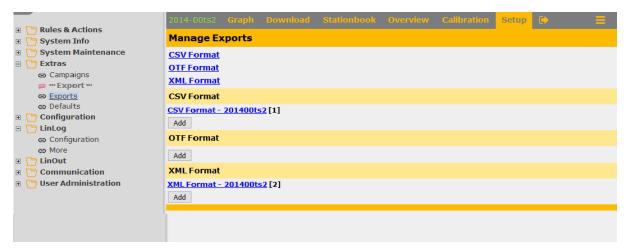
How-to use the export functions

Since the very first versions of the airpointer in 2004 the user is able to download data from the airpointer and its sister products. Because of the structure of this function some points cannot be influenced by the user. The user can not define specific number of comma places or the order of the parameter. On the other side several customers are using this function for automatic data transmission since years, so we can not change to much here. Out of this situation Exports was created to give the user well defined and configurable data files.

Setup of an export:

The first step is defining an export in Setup -> Extras -> Exports



Second step is to choose a file format and press <Add>

🗖 airpointer 💳 👘 🤄				Calibration	Setup	₿	Ξ
Manage Exports							
Parameter(s)							
You have to save before you ma Configuration Back	ay add par	rameters					
Name	CSV For	rmat - 201400ts2			*	Assign a meaningful name	
Station name	201400t	ts2					
Old style	O On	Off					
Add MinMax	On	Off					
Add SDev	O On	Off					
Midnight	00:00:0	0 ~ 00				00:00:00 or 24:00:00	
Fixed Comma	auto 🗸	•				Automatic or number of comma places >=	0
Description							
Period						Minutes	
Average	1 ~						
Separator	;					A Character e.g.: ";" or " " or For a TABULATOR write: " tab "	
Decimal Separator	,						
Quotes	On	Off				Surround by quotes	
Null	NULL					Placeholder for Null values	
Missing	-9999					Placeholder for Missing values	
Add Status	O On	Off					
Add Coverage	O On	Off					
Interpolate	On	O Off				Interpolate time	
File System	UNIX ~	~				UNIX, DOS	
Compression	zip 🗸						
Save Delete							



Now all configurations concerning the file format can be done. You find a working default setup that you can adapt to your needs.

Name: This name will show up when choosing an export later on, it should be a meaning full name. Station name: This name will show up in the data file Old style: Switch on a first version of this file type Add MinMax: The minimum and maximum values of the average is added Add SDev: The standard deviation of the average is added Midnight: You can choose if 00:00:00 or 24:00:00 is the timestamp for midnight Fixed Comma: Auto means the same number of comma places is used like in LinSens or LinLog that's the recommended setup, but you also can choose a fixed number of comma places for all parameters. **Description**: Is a field for your notes, describing this export. Period: Is an optional value for a default period. Average: The average used for the export. (1 = 1min, 2 = 5min, 3 = 30min or 60min typically) Separator: The character used to separate the columns Decimal Separator: The character used to as 'comma' in a number. Quotes: Turn on/off [] quotes around a number Null: Placeholder for NULL values when no value is existing Missing: Placeholder for missing values Add status: The Status values are added as extra columns Add coverage: The number of values used to calculate the average is added as column Interpolate: Timestamps not existing in the database are interpolated File System: Choose UNIX or DOS (for Windows) Compression: Choose the compression type or text for no compression

Press <Save> when you are finished with your file setup. Now choose your setup again and add the measuring parameters you want to include into that export:

🗖 airpointer 📰 👘 G	raph Download Stationbook Overview Calibration <mark>S</mark>	etup 🕻 😂 📃
Manage Exports		
Parameter(s)		
Add Delete Parameter(s)		
Configura io.		
Back		
Name	CSV Format - 201400ts2	 Assign a meaningful name
Station name	201402452	
Old style	O on C on	
Add MinMax	O on ● Off	
Add SDev	O on ● Off	
Midnight	00:00:00 ~	00:00:00 or 24:00:00
Fixed Comma	auto 🗸	Automatic or number of comma places >= 0
Description		
Period	0	Minutes
Average	1 ~	
Separator	;	A Character e.g.: ";" or " " or For a TABULATOR write: " tab "
Decimal Separator	,	For a rabolator white. Cab
Quotes	O on Off	Surround by quotes
Null	NULL	Placeholder for Null values
Missing	-9999	Placeholder for Missing values
Add Status	O on Off	
Add Coverage	O on Off	
Interpolate	● On ○ Off	Interpolate time
File System	UNIX V	UNIX, DOS
Compression	zip 🗸	
Save Delete		



Now choose the parameter, one after the other, you want to have included.

	Graph Download Static	
Manage Exports		
	r definition - CSV Format - 201400	its2
Back		
arameter ID	NOxSensor [1][active]	✓ - ✓ *
Jser parameter ID		- Custom ID for parameter
lame		Fan_NOx Custom name for parameter
Average 1	On Off	FlowNOx
Average 2	O on Off	FlowO3Gen
Average 3	On Off	HVPS_NOx
Save		MolyT
		NO
		NO2
		NO2_all
		NO2StdDev
		NO2_Zero
		NO2_Zero_Setpoint
		NO_all
		NOStdDev
		NOx
		NOx_all
		NOxStdDev
		NOx_Zero
		NOx_Zero_Setpoint
		NO_Zero

Just choosing the parameter is enough, but you can add a user ID and a name but also a different averaging period. Don't forget to press <Save> after your selection.

When you all all parameter included you can sort the order of the parameters, by the <move> botton.

airpointer 💳	Graph Download Stationbook Overview	Calibration Setup 🕼	=
Manage Exports			
Parameter(s)			
Move	NOxSensor [1][active] / NO	1: On Off 2: On Off 3: On Off	
Move	NOxSensor [1][active] / NO2	1: On Off 2: On Off 3: On Off	
Move	NOxSensor [1][active] / NOx	1: On Off 2: On Off 3: On Off	
Move	SO2Sensor [6][inactive] / SO2	1: On Off 2: On Off 3: On Off	
Move	5.4110.1x.xxx [3][inactive] / Wind Direction	1: On Off 2: On Off 3: On Off	
Move	5.4110.1x.xxx [3][inactive] / Wind Speed	1: On Off 2: On Off 3: On Off	
Add Delete Parame	eter(s)		
Configuration			
Back			
Name	CSV Format - 201400ts2 Testdata	* Assign a meaningful name	
Station name	201400ts2		
Old style	O On Off		
Add MinMax	● On ○ Off		
Add SDev	O On ● Off		
Midnight	00:00:00 ~	00:00:00 or 24:00:00	
Fixed Comma	auto 🗸	Automatic or number of comma places >= 0	
Description			
Period	0	Minutes	
Average	2 ×		

Usages of the export

Our export setup is finished now. You can use this setup in different ways. One possiblility is to add this export to Emails sent by the rules & actions, you can configure an FTP Upload using this export also in rules & actions or you can use this export to manually download data.



For manual data download you choose Download -> Exports -> Sensors.

	airpointer 🔜 🛛 Grap	h Download	Stationbook Overview Calibration Setup 🕒	E			
co Download	Manual Sensor Export						
Go Sensors	April		exp.sensors.man.AIRPOINTER.2014-00ts2.20170405-133914.csv v				
co SLAs	Сору	ත		Copy To USB Pen (FAT formatted)			
	Attention: You need to unmount the	Attention: You need to unmount the USB Pen Stick you copied to. Otherwise you risk data corruption.					
	Unmount	a		Unmount			
	From		2004 v - Jan v - 1 v 00 v : 00 v = NULL	2004-01-01 00:00 means N			
	Till		2004 v - Jan v - 1 v 00 v : 00 v = NULL				
			These timestamps override the time period of the definition				
	Export	00	- V	Do an Export NOW			
	Log		· · · · · · · · · · · · · · · · · · ·				
	A		CSV Format - 201400ts2				
			CSV Format - 201400ts2 Testdata				
			XML Format - 201400ts2				

Choose the export you need and the time frame you want to download. Press Export.

April			exp.sensors.man.AIRPOINTER.2014-00ts2.20170405-133914.csv	
	Сору	ළු		Copy To USB Pen (FAT formatted)
Attention:	You need to unmount the	USB Pen Stick y	ou copied to. Otherwise you risk data corruption.	
	Unmount	C		Unmount
From			2019 - Oct - 1 - 00 - : 00 - = 2019-10-01 00:00:00	2004-01-01 00:00 means N
Till			2019 v - Nov v - 1 v 00 v : 00 v = 2019-11-0100:00:00	
			These timestamps override the time period of the definition	
	Export	¢ °	CSV Format - 201400ts2 Testdata 🗸 0 m	Do an Export NOW
Log				
	the export			
Export of /backup/exports/sensors/exp.sensors.man.AIRPOINTER.2014-00ts2.20191112-092355.csv.zip is DONE				

After a reload of your browser you see your file in the list and can copy it to a USB flash if you have a big file, smaller files can be downloaded directly (in the coming software version).