Recordum Air Quality Index

Interpreting ambient air quality data is not easy for the general public. To translate the different gas concentrations into an Air Quality Index makes it easier to understand. This Air Quality Index shows the air quality in a number of health related, color coded categories. Around the world different Air Quality Indexes are established, we have implemented Indexes based on US-EPA, European Air Quality Index but also a German Index definition "Der Luftqualitätsindex". These different Air Quality Indexes are implemented as default setups, preparing the calculation method and setup the parameters and limits needed. The user is able to adapt the setup to his needs. The Air Quality Index is shown as an html page on the airpointer. It is very easy to integrate this page in a frame of the organizations webpage. Additionally the Air Quality Index data can be polled from the airpointer as a JSON string if the data should be integrated in other webpages.



This Air Quality Index feature is available for the recordum airpointer and also for the recordum airQlog. It is a payed option, if you have not already have purchased the option your distributor will be happy to give you an offer. The feature can be installed on all machine build after mid of 2013 or instruments that have an update to the actual software version.

Default Setup, Pollutants:

Log into with an Admin account and do a Software update, this update will enable the Air Quality Index feature. On the left hand menu chose my Air Quality and Pollutants.

admin@201400ts2 X	III myAirIndex X III root@201400ts2	🗙 🔢 192.168.6.127/cgi+birt/aqidata.c 🗙 🔢 201400ts2 LinAqi	X 📗 201400ts2 LinLog X	🚝 kauten - LEO: Übersetzung im I 🗙 🕂	- 🗆 ×
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Kules & Actions Vystem Info Vystem Info Vystem Additenance Vstras Configuration Vstras Configuration Vstras Vstra	Airpointer cooph Download or my Air Quality - Pollutants	Halinsteine Generative Geldination Bener S Come Name Cortes Matter Cartes Matter Cartes Manada Solida: Disable	[1] [2] [3] [4]		Additional Information
	Kone Add Delete Default Dased on US-EYA AQ1	Nitragen Dioxide	[5]		

Now the most important configuration needs to be done, you need to choose on which standard your Air Quality Index should be based on.



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	airpoi:	nter Graph Download S	tationbook Overview Calibration	Setup 🛞			=
🗉 🎦 Rules & Actions	my Air Q	uality - Pollutants					
System Info			07000	Name	[1]		Additional Information
System Maintenance Extras		ve	Particulate Matter		[2]		
Configuration	- 4 Mo	ve	Carbon Monoxide		[3]		
Encog	- Mo	ve	Sulfur Dioxide		[4]		
Communication Communication	Mo	ve	<u>Nitrogen Dioxide</u>		[5]		
B 🕐 my Air Quality	Add						
co Global Settings co Categories	Delete						
op Pollutants op Parameters	Default	based on US-EPA AQI	<u></u>				
co Meteorology		based on US-EPA AQI					
User Administration		based on European AQI					
		based on CAQI City background					
		based on CAQI Traffic					

The main difference is that US-EPA AQI is number orientated while on the European and German Index the resulting category is the main goal. After you have pressed <default> your choice is written to the database and the unit tries to find the according measuring parameter on the machine. Now it is time to check if the software find the right parameter. Click for example on Ozone and check the setup:

Bules & Actions System Info System Maintenance System Sectors	my Air Quality - Pollutants Detail Back			
Configuration	Name	Ozone	*	Default name of pollutant (English)
E C LinOut	Your Name			Your localised name for this pollutant
E Communication	Short Name	03	ī i	A shorter name e.g. chemical formula
my Air Quality Clobal Settings	Average Decision	worst v		When assigning more than one parameter whi-
co Categories	Show Public	I On O Off		Should this pollutant be shown to your people:
co Pollutants co Parameters	Save			
op Meteorology	Assigned Parameter(s)			
User Administration	03[1]	O3Sensor [3][active]: [5] O3		
	Add Parameter	· • • • • •		
	Delete Parameter(s)			

If no parameter is found automatically you can add the parameter manually. For some setups, like PM in US-EPA you can setup even more than one parameter to the pollutant. In case of PM it is PM2.5 and PM10. Most of the setup here is self-explaining, under <your Name> you can put in the translation of the parameter name. Repeat this step for all of your pollutants. If you don't want to use a pollutant or if this pollutant is not measured on the unit delete it by marking the checkbox next to the parameter and press delete. If you want to add a pollutant, type in a name in the field next to the <add>button and press <add>afterwards. In the example Benzene was added, the red warning sign shows you that you need to assign a parameter.

🗉 🎦 Rules & Actions	my Air Quality - Pollutants				
🗉 🦰 System Info			Name		Additional Information
E System Maintenance	Move	Ozone		[1]	
🗉 🎦 Extras	Move	Particulate Matter		[2]	
Configuration	Move	Carbon Monoxide		[3]	
E C LinOut	Move	Sulfur Dioxide		[4]	
Communication Comm	Move	Nitrogen Dioxide		[5]	
Support Programs The programs of the programs of the program of the pro	Move 🔺	Benzene		[101]	
co Global Settings	Add				
© Pollutants © Parameters © Meteorology	Delete				
	Default based on US-EPA AQI	✓			
User Administration					

Categories:

It is time to have a look at the categories now:



🗉 🎦 Rules & Actions	my Air Quality - Categories		
F C System Info	Name		Additional Information
🗉 🎦 System Maintenance	Good	[1] 0 - 50 []	
E C Extras	Moderate	[2] 51 - 100 []	
🗉 🦰 Configuration	Unhealthy for Sensitive Groups	[3] 101 - 150 []	
🗉 🎦 LinLog	Unhealthy	[4] 151 - 200 []	
🗉 🎦 LinOut	Very Unhealthy	[5] 201 - 300 []	
Communication Comm	Hazardous	[6] 201 - 500 []	
E Support Programs		[a] set see []	
🗉 🎦 my Air Quality			
op Global Settings			
G Categories			
es Parameters			
co Meteorology			
co Web-Page Settings			
🗉 🎦 User Administration			
_			

These categories are look quite different depending on the default configuration:

my	Air Quality - Categories	
	Name	
	Good	[1] 0 - 50 []
	Moderate	[2] 51 - 100 []
	Unhealthy for Sensitive Groups	[3] 101 - 150 []
	<u>Unhealthy</u>	[4] 151 - 200 []
	Very Unhealthy	[5] 201 - 300 []
	Hazardous	[6] 301 - 500 []

Even it is quite strict defined for some Air Quality Index, you can modify each category by clicking on it.

🕫 🎦 Rules & Actions	my Air Quality - Categories		
E 🎦 System Info	Detail		
E 🞦 System Maintenance	Back		
Configuration	Color	#ff7e00	
E 🔁 LinLog	From	101	Category applies from till
E C LinOut	Till	150	
Communication Support Programs	Name	Unhealthy for Sensitive Groups	Default name of category (English)
E The my Air Quality	Tour Name		The leased bast
v y Ar Quality or Global Strings or Categories or Pollutants or Pollutants or Pollutants or Meterority or Web Page Strings v User Administration	Legend	"Dheathy for Sensitive Groups" AGL is 101 to 100. Although general public is not likely to be affected at this AGL range, people with long disease, does addite and different are as present risk from the presence of particles in the air.	The legend text
	Save		

It is a very good idea to add a translation of the Name to <Your Name> to make sure local people understand the category. On <Legend> explain to the local people what the meaning of this category is and what they should avoid if this category is active.

Parameters

Having the Parameters added to the pollutants before, fine adjustments can be done and different averages can be added to that pollutant.

	mu Ain Ourlike - Devenuetour			
Rules & Actions	Detail			
System Maintenance	Back			
Configuration	Name	03	*	Default name of parameter (English)
🖰 LinLog	Gas Name	03		
CinOut	Temperature	20		Which temperature is used for Standard calcula
Communication	Method	EU V		Calculation method
my Air Quality Go Global Settings	Save			
op Categories	Assigned Average(s)			
op Poliutants op Parameters op Meteorology op Web-Page Settings User Administration		Select an averaging method (sel_avg_type) and time frame (sel_time_span) that uses your unit (sel_unit). Hyour DB stores the parameter averages using a different unit, then tell us about it (sel_unit, db_unite). Truncate (sel_truncate) the values and set the needed coverage (trt_data_coverage) for a valid index. Finally select till his average is part of the final index decision or computational only.		
	arithmetic 60 min	Update arithmetic mean v 1hour v µg/m ³ v ppb v 0.001 v 75 On O Off		
	Add Average	none v 30min v none v none v 75 On O Off		
	Delete Average(s)			

In the upper part the reference temperature needs to be chosen, with this setup the correct computation between units can be done. The other items on the upper part are self-explaining. But you need to know more about averages:

Averages

The assigned averages are the key to the different setups. For averages the 1 minute averages of the stored data, including coverage data are taken from the database for computing.

The several different kinds of averages needs to be explained:

Arithmetic mean:

The data for the actual averages are taken from the database and averaged according to number of 1 second values included into this average. At the end a coverage for the resulting average is computed.

Example: 3h average: We should find 3x60x60 = 10800 one second values averaged together in total. If we find only 9005 values included the coverage of the 3h average is 83,4%. In most cases a coverage of 75% needed for a valid index, in our example we fulfill this need.

The arithmetic average is calculated when the actual time fits the interval. In the 3h average example it is:

00:00, 03:00, 06:00, 09:00, 12:00, 15:00, 18:00, 21:00,...

Moving average:

The calculation is done in the exact same way like above, but the moving average is calculated in the "Calculation Interval" defined in Global settings. In that way with a Calculation Interval of 60minutes, every hour a 24h moving average is calculated.

Moving average EN:

The calculation is done a bit different as above: In the European Union 1hour averages need to be build first including the coverage calculation. Depending of the coverage these 1h averages are set valid or invalid. Only valid 1hour averages are taking to compute the final moving average. If we have not enough 1h averages we cannot compute the index. Typically we need 75% of coverage, so at least 3 1h average out of four. This is the reason why only moving averages EN needs to have a duration of >4 hours.

Now Cast average:

The US EPA want to show Air Quality Indexes that is more presenting the actual situation than it is possible with 1day averages that are used. The new Method is call Now Cast, the idea behind is to take 24 1h averages and give them a different weight. If it is close to the actual time it is weighted much higher than the very first average. A precise description of this method can be found in the file "pm25_aqi_reporting_nowcast_overview.pdf" of the US-EPA.

The calculation interval is normally 1hour but it can be set in "NOWCast Interval" defined in Global settings.

Before adding a new average, you need to define the average type and it's duration. In most cases the unit the average is stored in the database is different to the unit the AQI is defined therefor the units must be defined too. For the US EPA it is mandatory to define the number of places behind the comma for correct calculation. The coverage needed for that average to be valid is the last edit field. With the last on/off selector you can chose if this average should be only calculated and stored or if this average should also be used to set Parameter index -> Pollution index -> Station index.

After adding the new average you will see a red warning triangle again. In this case we are missing the limit definition for that average.



	airpointer Graph Download	itationboo	k Overvie	w Calibrati	on <mark>Setup</mark> 🚱		
🗉 🎦 Rules & Actions	my Air Quality - Parameters						
I C System Info	Success : Successfully deleted Limit(s).						
System Maintenance	Average Limits						
Configuration	Back						
E C LinLog	Good	Update	Good	~ 0	40	on O off	
🗉 🎦 LinOut	Fair	Update	Fair	~ 40	90	On O off	
Communication Support Programs	Moderate	Update	Moderate	~ 90	120	• on O off	
	Poor	Update	Poor	~ 120	230	on O off	
co Global Settings	Add lim?	Very poor	220				
© Pollutants	Not billing	L very poor	- 200				
op Parameters	Delete Limit(s)						
co Meteorology co Web-Page Settings							
User Administration							

You need to add the lower and upper limit of the concentration of this Parameter that represents that category.

This finishes the AQI parameter setup. It is a good idea to check the LinAqi log file for error messages. After that you can see how you index is computed in the Service Interface of LinAqi. Just add/cgi-bin/linaqi.cgi to the url of your machine.

(←) → 健 @	🔊 🖉 192.168.6.127/gj-bin/linaqi.gji/page=index&iang=en 👐 😇 🛧						lir\ 🗉 📽		
LinAqi Service Interface, norm	al Operation								
Index Data									
STATION	based on US EPA Air Quality Index				INDEX for Station:	6	20201005 12:45:00	Station Index caused by Particles less than 2.5µm	
POLLUTANT 1 Ozone					INDEX of Pollutant:	6	20201005 12:45:00		
PARAMETER 1 03					INDEX of Parameter:	6	20201005 12:45:00		
Average Type	Time	Average (database unit)	Average (index unit)	Converage	Data OK for Index calculation?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 1h	20201004 12:45:01 - 20201005 12:45:00	29.3 µg/m³	29.3 µg/m²	100.0%	Data OK	4	20201005 12:45:00	YES	Normal calc done
Arithmetical Avg 8h	20201005 12:15:01 - 20201005 12:45:00	27.3 ppm	27 ppm	100.0%	Data OK	6	20201005 12:45:00	YES	Calc done, above highest definition
POLLUTANT 2 Particulate Matter					INDEX of Pollutant:	2	20201005 12:45:00		
PARAMETER 1 PM2.5					INDEX of Parameter:	2	20201005 12:45:00		
Average Type	Time	Average (database unit)	Average [index unit]	Converage	Data OK for Index calculaton?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 1days	20201004 12:45:01 - 20201005 12:45:00	31.1 µg/m*	31.1 µg/mª	100.0%	Data OK	2	20201005 12:45:00	YES	Normal calc done
PARAMETER 2 PM10					INDEX of Parameter:	28	20201005 00:00:00		
Average Type	Time	Average (database unit)	Average [index unit]	Converage	Data OK for Index calculator?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 1days	20201004 00:00:01 - 20201005 00:00:00	30.4 µg/m³	30 µg/m²	100.0%	Data OK	28	20201005 00:00:00	YES	Normal calc done
POLLUTANT 3 Carbon Monoxide					INDEX of Pollutant:	6	20201005 12:00:00		
PARAMETER 1 CO					INDEX of Parameter:	6	20201005 12:00:00		
Average Type	Time	Average (database unit)	Average (index unit)	Converage	Data OK for Index calculator?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 8h	20201005 11:00:01 - 20201005 12:00:00	935.9 ppb	1790.148 µg/m³	100.0%	Data OK	6	20201005 12:00:00	YES	Calc done, above highest definition
POLLUTANT 4 Sulfur Dioxide					INDEX of Pollutant:	1	20201005 12:00:00		
PARAMETER 1 SO2					INDEX of Parameter:	1	20201005 12:00:00		
Average Type	Time	Average [database unit]	Average [index unit]	Converage	Data OK for Index calculaton?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 1h	20201005 11:00:01 - 20201005 12:00:00	-1.9 ppb	-3.801 µg/m*	100.0%	Data OK	1	20201005 12:00:00	YES	Value a little negativ, set to zero
Arithmetical Avg 1days	20201004 00:00:01 - 20201005 00:00:00	81.9 ppb	82 ppb	100.0%	Data OK		20201005 00:00:00	YES	No calc allowed below definition
POLLUTANT 5 Nitrogen Dioxide					INDEX of Pollutant:	1	20201005 12:00:00		
PARAMETER 1 NO2					INDEX of Parameter:	1	20201005 12:00:00		
Average Type	Time	Average (database unit)	Average [index unit]	Converage	Data OK for Index calculaton?	Index	Timestamp	used for Index calculation	
Arithmetical Avg 1h	20201005 11:00:01 - 20201005 12:00:00	21.3 ppb	57 µg/m*	100.0%	Data OK	1	20201005 12:00:00	YES	Normal calc done

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(Please be aware that this are dummy data just for testing)

If you are a bit scared because of that big number of configuration possibilities, just startup with the according Default Setup. In most cases that is already the perfect setup!

Meteorology:

On most station also wind and other meteorological data are available you can use them to make your AQI page more informative.

•••	airpointer Graph Download Stationbook Overview Cali	bration <mark>Setup</mark> 🗭
🗉 🎦 Rules & Actions	my Air Quality - Meteorology	
🗉 🎦 System Info	Name	Additional Information
🗉 🏹 System Maintenance	wind-direction [1]	Wind Dir - DummyAir [3][active] - ° [108930]
Extras	wind-speed [2]	Wind Speed - DummyAir [3][active] - m/sec [108924]
E Configuration	ambient-air-temperature [3]	Air Temp - DummyAir [3][active] - °C [108696]
E C LinLog	ambient-air-pressure [4]	Amb Press - DummyAir [3][active] - mbar [108936]
E C LinOut	ambient-air-humidity [5]	Humidity - DummyAir [3][active] - % [108942]
🗉 🛅 Communication		

There are the 4 most usefully parameters predefined. Click on one to do your configuration:

	airpointer Graph Download :	Stationbook Overview Calibration Settion 🤤	1
Rules & Actions	my Air Quality - Meteorology		
E System Info	Detail - wind-speed		
🗉 🛅 System Maintenance	Back		
Extras Configuration	Active	I® 0n ○ 0ff	
🗉 😁 LinLog	Average One		
🗉 🎦 LinOut	Average Two	On Off	
🛙 🖭 Communication	Average Three		
🗉 🗁 Support Programs	Parameter	Wind Speed - DummyAir [3][active] - m/sec - interval: 30 [minutes] [108924]	Assign needed Sensor Parameter
🗉 🛅 my Air Quality	Unit		Your localised unit name
co Global Settings	Unit DB	m/s v	Unit of database stored values
© Pollutants	Unit Display	km/h v	Converted unit to be displayed (e.g. m/s to
co Parameters co Meteorology	Assign - V - V		
© web-Page Settings ∎ 🎦 User Administration	Save		

The first switch is to turn the display on or off. On the next one you chose the average used.

On the Assign drop down choose the parameter that represents Wind Speed in that case and press assign. For some parameters you can chose the Unit the parameter should be presented.

Web-Page Setting

my Air Quality - Display Page Settings		
Settings		
Page Caption	mlu-recordum A Q I	
Name of Station	Garden Airpointer	
Theme	light ~	
Category View	speedometer	Default visual element for the station index
Pollutant View	gauges V	Default visual element for the pollutant indices
Meteorology Position	above	Meteorology data displays above or below indices
Show only station index	On • Off	
Show full legend	● On ○ Off	Display a full text legend instead of one for each category
Computation	For Air Quality Index (AQI) and how it works The AQI is a standard approach for monitoring how clean or polluted our local air might be. It aligns pre-defined ranges of AQI values with potential health effects that some people might experience within a few hours or even days after an air pollution and are polluted. The addition of the AQI is a setter stick that runs from 0 to 1000. The AQI is a setter stick that runs from 0 to 1000. The AQI is a setter stick that runs from 0 to 1000. The AQI is a setter stick that runs from 0 to 1000 period. The AQI is a setter stick that runs from 0 to 1000 period. The AQI is a setter stick that runs from 0 to 1000 generally correspond to the built of started us that everyone set y experience settous effects. An AQI value of 30 monormal is represented to 1000 that the teryone were setter settous effects. An AQI value of 30 monormal is represented to 1000 that the teryone were experience settous effects. An AQI value of 30 monormal is runs to the set of the settous the teryone of the teryone that the teryone were experience settous effects. An AQI value of 30 monormal is runs to the teryone of t	Leschpoon of the Index Comportational rogic
Full legend text	<pre>F air Quality Index (042) legend [Heasing Resemended Airtins : : : (cgss style="color#00000000000000000000000000000000000</pre>	Describe all categories in one text element

The Webpage displayed is widely configurable and self-explaining. Your can write your own text, how the AQI is computed and what does it mean yourself in your language. This not just a normal text, the format is called markdown. This makes it possible for you to make headers,

Element	Markdown Syntax
<u>Heading</u>	# H1
	## H2
	### H3
<u>Bold</u>	**bold text**
<u>Italic</u>	*italicized text*
<u>Blockquote</u>	> blockquote
Ordered List	1. First item
	2. Second item
	3. Third item

Element	Markdown Syntax
<u>Unordered List</u>	- First item - Second item - Third item
<u>Code</u>	`code`
Horizontal Rule	
<u>Link</u>	[title](https://www.example.com)
<u>Image</u>	![alt text](image.jpg)

A detailed description you can find here: Markdown Cheat Sheet | Markdown Guide

Example how to integrate in a frame

With this simple HTML line you can integrate your airpointer AQI page into your own web page:

[iframe src="https://airpointer-2020-00723.recordum.net/aqi/?p=my_aq&layout=full" width="100%" height="550" Frameborder="0"]

See an example here: AQI Example Site - tech support (airpointer.tech)

JSON communication

The communication between the User Interface and LinAqi is done by a call and a responding JSON string. This Interface can be used for machine to machine communication if a webpage or similar should be fed with the ready calculated AQI.

We have just to commands aqiinfo.cgi and aqidata.cgi. With aqiinfo you can see what is available on that machine, with aqidata you can ask for data. You need to send the login information with the command otherwise you will not get a response.

The queries in my example (you need to define your user for communication):

https://192.168.6.127/cgi-bin/aqiinfo.cgi?loginstring=downuser&user_pw=1downUser23

That is the response of my testing station:

{

	"valid_below": 100
}, {	
	"number": 3,
	"name": "Unhealthy for Sensitive Groups",
	"translated": "",
	"color": "#ff/e00",
	"valid_above": 101,
	"valid_below": 150
}, {	
	"number": 4,
	"name": "Unhealthy",
	"translated": "",
	COLOF : #TTUUUU ,
	Valid_above : 151,
1 (valid_below : 200
5.1	"number". C
	number : 5, "name": "Very Unhealthy"
	"translated", ""
	lialor", "#9f2f07"
	"valid abova": 201
	Valid_above . 201,
1 (valid_below : 300
3, 1	"number": 6
	"namo": "Hazardous"
	"translatod": ""
	"valid above": 301
	"valid_above": 500
บ	Valid_below . 500
"nollutar	its": [{
poliutur	"number": 1
	"name": "Ozone"
	"shortname": "03"
}.{	shorthane . OS
17 ("number": 2.
	"name": "Particulate Matter".
	"shortname": "PM"
}, {	
,, ("number": 3,
	"name": "Carbon Monoxide",
	"shortname": "CO"
}, {	
	"number": 4,
	"name": "Sulfur Dioxide",
	"shortname": "SO2"
}, {	
	"number": 5 <i>,</i>
	"name": "Nitrogen Dioxide",
	"shortname": "NO2"
}],	
"meteoro	ology": [{
	"number": 1,
	"name": "Wind Dir"
}, {	
	"number": 2,
	"name": "Wind Speed"
}, {	
	"number": 3,
	"name": "Air Temp"
}]	

I think the identifier are self-explaining.

https://192.168.6.127/cgi-bin/aqidata.cgi?loginstring=downuser&user_pw=1downUser23

That is the response of my testing station:

}



"time stamp": "2020-10-05T13:00:00+01:00", "missing": 0, "color": "#8f3f97", "label": "Very Unhealthy", "info": "Station Index caused by Nitrogen Dioxide", "station_index_exceeded": 0, "station_index_exceeded_msg": "", "poll_index": [{ "id": 1, "number": 1, "name": "Ozone", "shortname": "O3", "pollutant_index": 0, "category_pointer": 0.0, "time_stamp": "2020-10-05T13:00:00+01:00", "missing": 0, "color": "#00e400", "label": "Good", "info": "" }, { "id": 2, "number": 2, "name": "Particulate Matter", "shortname": "PM", "pollutant_index": 84, "category_pointer": 84.0, "time_stamp": "2020-10-05T00:00:00+01:00", "missing": 0, "color": "#ffff00", "label": "Moderate", "info": "" }, { "id": 3, "number": 3, "name": "Carbon Monoxide", "shortname": "CO", "pollutant_index": 70, "category_pointer": 70.0, "time_stamp": "2020-10-05T08:00:00+01:00", "missing": 0, "color": "#ffff00", "label": "Moderate", "info": "" }, { "id": 4, "number": 4, "name": "Sulfur Dioxide", "shortname": "SO2", "pollutant_index": 27, "category_pointer": 27.0, "time_stamp": "2020-10-05T13:00:00+01:00", "missing": 0, "color": "#00e400", "label": "Good", "info": "" }, { "id": 5, "number": 5, "name": "Nitrogen Dioxide", "shortname": "NO2", "pollutant_index": 247, "category_pointer": 247.0, "time_stamp": "2020-10-05T13:00:00+01:00", "missing": 0, "color": "#8f3f97", "label": "Very Unhealthy", "info": "" }], "meteorology": [{ "id": 1, "number": 1, "name": "Wind Dir",



"value": 1.5, "unit": "°", "missing": 0

```
}, {
    "id": 2,
    "number": 2,
    "name": "Wind Speed",
    "time_stamp": "2020-10-05T13:30:00+01:00",
    "value": 1.3,
    "unit": "km/h",
    "missing": 0
}, {
    "id": 3,
    "number": 3,
    "number": 3,
    "name": "Air Temp",
    "time_stamp": "2020-10-05T13:30:00+01:00",
    "value": 48.1,
    "unit": "ŰF",
    "missing": 0
}]
```

Luckely this are test data only ©

}