### Accessing the API data

[APIs · opendata-stuttgart/meta Wiki · GitHub](https://github.com/opendata-stuttgart/meta/wiki/APIs)

posts the data to the API at sensor community? The code should be something like this:

msg.headers = {  
“X-Pin”: “1”,  
“X-Sensor”: “esp8266-xxxxxxx”  
};  
msg.payload = {  
“software\_version”: “my\_script”,  
“sensordatavalues”: [  
{“value\_type”: “P0”, “value”: parseFloat(massConcentrationPm1p0)},  
{“value\_type”: “P1”, “value”: parseFloat(massConcentrationPm2p5)},  
{“value\_type”: “P2”, “value”: parseFloat(massConcentrationPm10p0)},  
]  
};  
do: send message (every 5 minutes )to

[https://api.sensor.community/v1/push-sensor-data/ 2](https://api.sensor.community/v1/push-sensor-data/)

Api Root

**GET** /v1/

**HTTP 200 OK**

**Allow:** GET, HEAD, OPTIONS

**Content-Type:** application/json

**Vary:** Accept

{

"push-sensor-data": "<https://api.sensor.community/v1/push-sensor-data/>",

"now": "<https://api.sensor.community/v1/now/>"

}

[EN APIs · opendata-stuttgart/meta Wiki · GitHub](https://github.com/opendata-stuttgart/meta/wiki/EN-APIs)

Post Sensor Data List

[Feinstaub-API (sensor.community)](https://api.sensor.community/v1/push-sensor-data/)

This endpoint is to POST data from the sensor to the api.

**OPTIONS** /v1/push-sensor-data/

**HTTP 200 OK**

**Allow:** POST, OPTIONS

**Content-Type:** application/json

**Vary:** Accept

{

"name": "Post Sensor Data List",

"description": "This endpoint is to POST data from the sensor to the api.",

"renders": [

"application/json",

"text/html"

],

"parses": [

"application/json",

"application/x-www-form-urlencoded",

"multipart/form-data"

],

"actions": {

"POST": {

"sensor": {

"type": "integer",

"required": false,

"read\_only": false,

"label": "Sensor"

},

"sampling\_rate": {

"type": "integer",

"required": false,

"read\_only": false,

"label": "Sampling rate",

"help\_text": "in milliseconds",

"min\_value": -2147483648,

"max\_value": 2147483647

},

"timestamp": {

"type": "datetime",

"required": false,

"read\_only": false,

"label": "Timestamp"

},

"sensordatavalues": {

"type": "field",

"required": true,

"read\_only": false,

"label": "Sensordatavalues",

"child": {

"type": "nested object",

"required": true,

"read\_only": false,

"children": {

"value": {

"type": "string",

"required": true,

"read\_only": false,

"label": "Value"

},

"value\_type": {

"type": "choice",

"required": true,

"read\_only": false,

"label": "Value type",

"choices": [

{

"display\_name": "0.1µm particles",

"value": "P01"

},

{

"display\_name": "0.3µm particles",

"value": "P03"

},

{

"display\_name": "0.5µm particles",

"value": "P05"

},

{

"display\_name": "1µm particles",

"value": "P0"

},

{

"display\_name": "2.5µm particles",

"value": "P2"

},

{

"display\_name": "3µm particles",

"value": "P3"

},

{

"display\_name": "4µm particles",

"value": "P4"

},

{

"display\_name": "5µm particles",

"value": "P5"

},

{

"display\_name": "10µm particles",

"value": "P1"

},

{

"display\_name": "duration 1µm",

"value": "durP1"

},

{

"display\_name": "duration 2.5µm",

"value": "durP2"

},

{

"display\_name": "ratio 1µm in percent",

"value": "ratioP1"

},

{

"display\_name": "ratio 2.5µm in percent",

"value": "ratioP2"

},

{

"display\_name": "samples",

"value": "samples"

},

{

"display\_name": "measurement interval",

"value": "interval"

},

{

"display\_name": "min\_micro",

"value": "min\_micro"

},

{

"display\_name": "max\_micro",

"value": "max\_micro"

},

{

"display\_name": "count 0.1µm particles",

"value": "N01"

},

{

"display\_name": "count 0.3µm particles",

"value": "N03"

},

{

"display\_name": "count 0.5µm particles",

"value": "N05"

},

{

"display\_name": "count 1µm particles",

"value": "N1"

},

{

"display\_name": "count 2.5µm particles",

"value": "N25"

},

{

"display\_name": "count 4µm particles",

"value": "N4"

},

{

"display\_name": "count 5µm particles",

"value": "N5"

},

{

"display\_name": "count 1µm particles",

"value": "N10"

},

{

"display\_name": "typical particle size",

"value": "TS"

},

{

"display\_name": "Temperature",

"value": "temperature"

},

{

"display\_name": "Humidity",

"value": "humidity"

},

{

"display\_name": "Pa",

"value": "pressure"

},

{

"display\_name": "meter",

"value": "altitude"

},

{

"display\_name": "Pa (sealevel)",

"value": "pressure\_sealevel"

},

{

"display\_name": "Brightness",

"value": "brightness"

},

{

"display\_name": "Dust density in mg/m3",

"value": "dust\_density"

},

{

"display\_name": "Dust voltage raw",

"value": "vo\_raw"

},

{

"display\_name": "Dust voltage calculated",

"value": "voltage"

},

{

"display\_name": "1µm particles",

"value": "P10"

},

{

"display\_name": "2.5µm particles",

"value": "P25"

},

{

"display\_name": "duration 1µm",

"value": "durP10"

},

{

"display\_name": "duration 2.5µm",

"value": "durP25"

},

{

"display\_name": "ratio 1µm in percent",

"value": "ratioP10"

},

{

"display\_name": "ratio 2.5µm in percent",

"value": "ratioP25"

},

{

"display\_name": "door state (open/closed)",

"value": "door\_state"

},

{

"display\_name": "latitude",

"value": "lat"

},

{

"display\_name": "longitude",

"value": "lon"

},

{

"display\_name": "height",

"value": "height"

},

{

"display\_name": "horizontal dilusion of precision",

"value": "hdop"

},

{

"display\_name": "measured timestamp",

"value": "timestamp"

},

{

"display\_name": "measured age",

"value": "age"

},

{

"display\_name": "number of satelites",

"value": "satelites"

},

{

"display\_name": "current speed over ground",

"value": "speed"

},

{

"display\_name": "track angle",

"value": "azimuth"

},

{

"display\_name": "Sound level min",

"value": "noise\_LA\_min"

},

{

"display\_name": "Sound level max",

"value": "noise\_LA\_max"

},

{

"display\_name": "Sound level L01",

"value": "noise\_LA01"

},

{

"display\_name": "Sound level L95",

"value": "noise\_LA95"

},

{

"display\_name": "Sound level Leq",

"value": "noise\_LAeq"

},

{

"display\_name": "Counts per second",

"value": "counts\_per\_second"

},

{

"display\_name": "Counts per minute",

"value": "counts\_per\_minute"

},

{

"display\_name": "MilliSievert",

"value": "radiation\_msi"

},

{

"display\_name": "Count of high voltage pulses",

"value": "hv\_pulses"

},

{

"display\_name": "Counts",

"value": "counts"

},

{

"display\_name": "Time per sample",

"value": "sample\_time\_ms"

},

{

"display\_name": "CO in kOhm",

"value": "co\_kohm"

},

{

"display\_name": "CO in ppb",

"value": "co\_ppb"

},

{

"display\_name": "eCO2 in ppm",

"value": "eco2"

},

{

"display\_name": "CO2 in ppm",

"value": "co2\_ppm"

},

{

"display\_name": "NO2 in kOhm",

"value": "no2\_kohm"

},

{

"display\_name": "NO2 in ppb",

"value": "no2\_ppb"

},

{

"display\_name": "O3 in ppb",

"value": "ozone\_ppb"

},

{

"display\_name": "SO2 in ppb",

"value": "so2\_ppb"

}

]

},

"sensordata": {

"type": "integer",

"required": false,

"read\_only": true,

"label": "Sensordata"

}

}

}

},

"software\_version": {

"type": "string",

"required": false,

"read\_only": false,

"label": "Software version",

"help\_text": "sensor software version",

"max\_length": 100

}

}

}

}