

## Input plugin: Nova SDS011 sensor

Input plugin for `[@sematext/logagent]`(<http://sematext.com/logagent/>). The plugin collects PM10 and PM2.5 values from Nova SDS011 dust sensor from USB via serial port. The sensor data can be enriched with location data from other plugins, e.g. from Logagent apple location tracker plugin.

## Installation

Install `[@sematext/logagent]`(<https://www.npmjs.com/package/@sematext/logagent>) and `logagent-input-nova-sda011` npm package:

```
npm i -g @sematext/logagent
npm i -g logagent-novasds
```

## Configuration

```
# Global options
options:
  includeOriginalLine: false

input:
  novaSDS011:
    module: logagent-novasds
    # COM port for the USB to serial interface
    comPort: /dev/cu.wchusbserialfa1220
    # optional static sensor location
    location:
      lat: 49.0
      lon: 7.0
      address: "My Street, My City, My Country"
    tags:
      environment: indoors

output:
  stdout: yaml
  # store sensor data in Sematext Cloud
  sematext-cloud:
    module: elasticsearch
    url: https://logsene-receiver.sematext.com
    index: YOUR_LOGSENE_TOKEN
  # share sensor data via MQTT
  mqtt:
```

```
module: output-mqtt
url: mqtt://test.mosquitto.org
topic: sensor-data
debug: false
# optional filter settings matching data field with regular expressions
filter:
  field: logSource
  match: Nova
```

## Start logagent

```
logagent --config logagent-novasds011-input.yaml
```