

EcologicSense
ZI Rousset – 296, Avenue Georges Vacher,
13790 Rousset - France

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NEXT-PM Demo Software Quick User Guide



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Author AD
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Preface

The 2 softwares **test_com_NextPM_v1_0** and **Demo_Next_PM_v1_0** have been developed to help you to try and integrate the EcoLogicSense Next-PM sensor. This document is a quick guide to help you to use it.

Required equipment

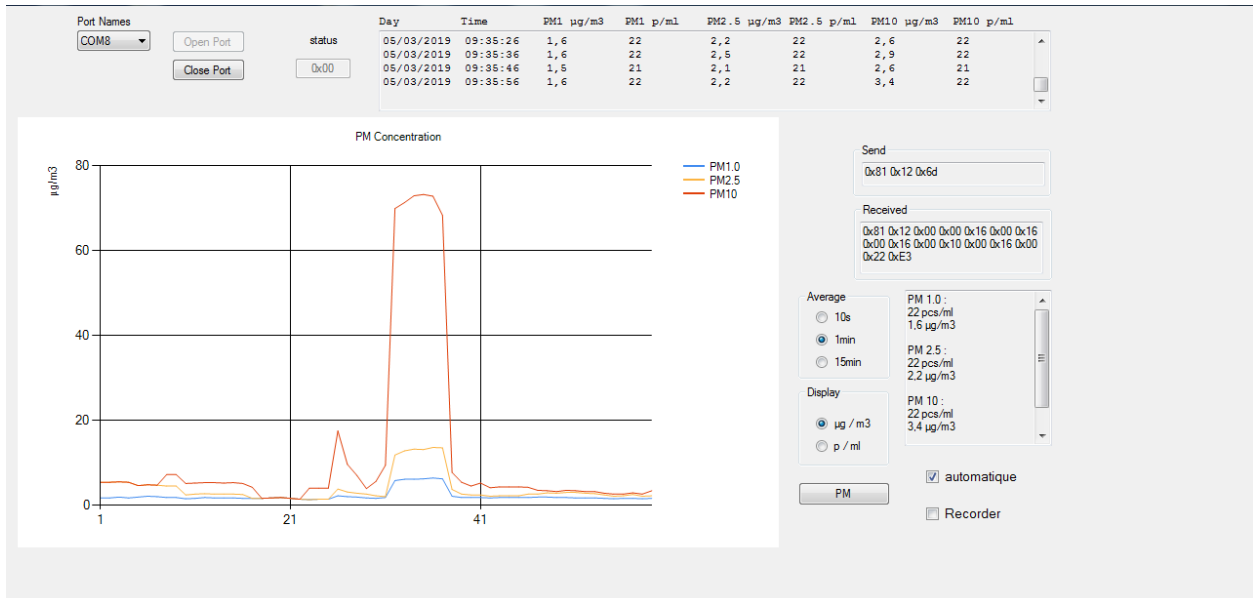
To use the Next-PM sensor with the 2 softwares, you need :

- PC working with Windows 7/8 or 10
- FTDI cable like : <https://fr.rs-online.com/web/p/kits-de-developpement-pour-interfaces/0429303/>
- Picoblade connector like : <https://fr.rs-online.com/web/p/cordons-fil-a-carte/1250742/?relevancy-data=636F3D3126696E3D4931384E525353746F636B4E756D626572266C753D656E266D6D3D6D61746368616C6C26706D3D5E2828282872737C5253295B205D3F293F285C647B337D5B5C2D5C735D3F5C647B332C347D5B705061415D3F29297C283235285C647B387D7C5C647B317D5C2D5C647B377D2929292426706F3D3126736E3D592673723D2673743D52535F53544F434B5F4E554D4245522677633D4E4F4E45267573743D3132352D30373432267374613D3132353037343226&searchHistory=%7B%22enabled%22%3Atrue%7D>

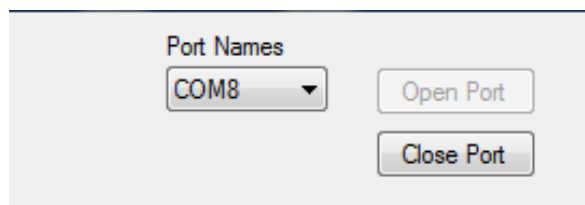
You need to connect the Next-PM sensor to a USB port of your PC using the FTDI cable.

Demo_Next_PM_v1_0

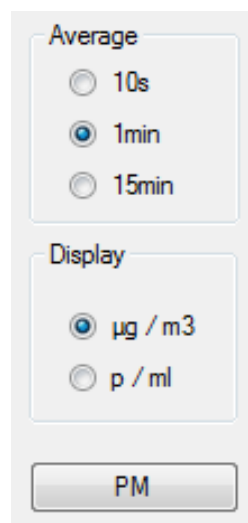
This software allow you to communicate with the Next-PM sensor in order to see the data in real time et record it if necessary.



- Step 1 : Choose the communication port then « Open Port »



- Step 2 : Choose your setting and test the communication



- Step 3 : Check « Automatique » to get the data automatically
- Step 4 : Check « Recorder » and choose the location to save the Next-PM data on your PC

☒ automatique

☐ Recorder

The data will be saved in a .txt format like this following picture :

Day	Time	PM1.0 µg/m3	PM1.0 p/m ^l	PM2.5 µg/m3	PM2.5 p/m ^l	PM10 µg/m3	PM10 p/m ^l
05/03/2019	09:29:57	1,7	22	3,5	22	3,5	22
05/03/2019	09:29:58	1,6	20	4,4	21	4,4	21
05/03/2019	09:29:59	1,8	21	3,6	22	3,6	22
05/03/2019	09:30:00	1,6	22	3,4	22	3,4	22
05/03/2019	09:30:01	1,8	23	5,4	23	5,4	23
05/03/2019	09:30:02	1,7	24	5,4	24	5,4	24
05/03/2019	09:30:03	1,7	24	5,4	25	5,4	25
05/03/2019	09:30:04	1,9	27	5,5	27	5,5	27
05/03/2019	09:30:05	1,7	24	5,4	25	5,4	25
05/03/2019	09:30:06	1,9	25	4,6	25	4,6	25
05/03/2019	09:30:07	2,1	26	4,8	27	4,8	27
05/03/2019	09:30:08	2,0	24	4,7	25	4,7	25
05/03/2019	09:30:09	1,8	23	4,5	24	7,2	24
05/03/2019	09:30:10	1,8	23	4,5	24	7,2	24
05/03/2019	09:30:11	1,5	21	2,4	21	5,1	22
05/03/2019	09:30:12	1,6	21	2,6	21	5,2	21
05/03/2019	09:30:13	1,8	21	2,7	21	5,3	22
05/03/2019	09:30:14	1,7	20	2,6	20	5,3	20
05/03/2019	09:30:15	1,7	19	2,6	20	5,2	20
05/03/2019	09:30:16	1,7	22	2,6	22	5,3	23
05/03/2019	09:30:17	1,6	22	2,5	22	5,1	22
05/03/2019	09:30:18	1,6	22	1,6	22	4,2	23
05/03/2019	09:30:19	1,6	22	1,6	22	1,6	22
05/03/2019	09:30:20	1,7	24	1,7	24	1,7	24
05/03/2019	09:30:21	1,8	26	1,8	26	1,8	26
05/03/2019	09:30:22	1,6	25	1,6	25	1,6	25
05/03/2019	09:30:23	1,4	24	1,4	24	1,4	24
05/03/2019	09:30:24	1,3	22	1,3	22	4,0	23
05/03/2019	09:30:25	1,4	24	1,4	24	4,0	24
05/03/2019	09:30:25	1,4	24	1,4	24	4,0	24
05/03/2019	09:30:25	2,2	27	3,8	27	17,5	27
05/03/2019	09:30:35	2,0	25	3,1	26	9,6	26
05/03/2019	09:30:45	1,9	25	2,8	25	7,0	25
05/03/2019	09:30:55	1,7	24	2,6	25	3,9	25
05/03/2019	09:31:05	1,6	24	2,2	24	5,6	24
05/03/2019	09:31:16	1,8	26	2,0	26	9,4	27
05/03/2019	09:31:26	5,8	68	11,8	69	69,9	70
05/03/2019	09:31:36	6,1	71	12,8	72	71,3	73
05/03/2019	09:31:46	6,1	70	13,2	71	72,9	72
05/03/2019	09:31:56	6,2	71	13,1	72	73,2	74
05/03/2019	09:32:06	6,4	73	13,6	74	72,8	75
05/03/2019	09:32:16	6,2	70	13,5	72	68,3	73
05/03/2019	09:32:26	2,1	28	3,7	29	7,7	29
05/03/2019	09:32:36	1,8	26	2,6	26	5,4	26

test_com_NextPM_v1_0

This software is like a tutorial to help you to understand how to communicate with the sensor.

- Step 1 : Choose the communication port then « Open Port »

- Step 2 : Send the different command and check in the « Request » window the command sent and in the « Next PM Answer » window the reply of the Next-PM sensor.