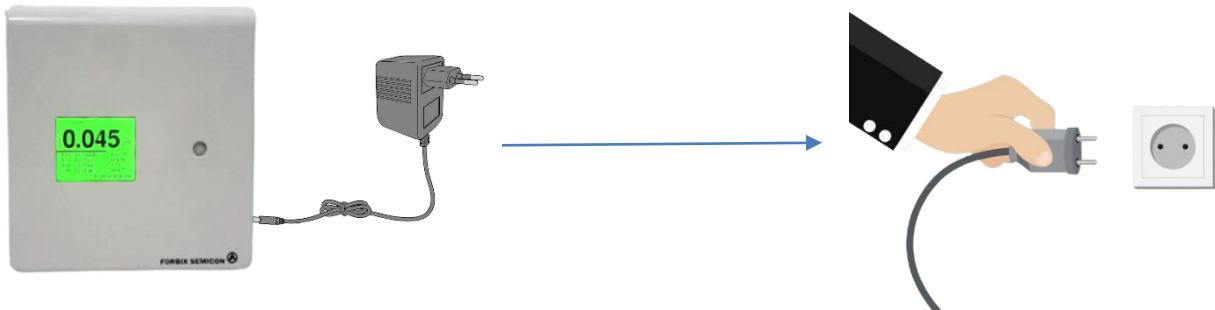


Step-1**Power up the device with adapter**

Powering On:

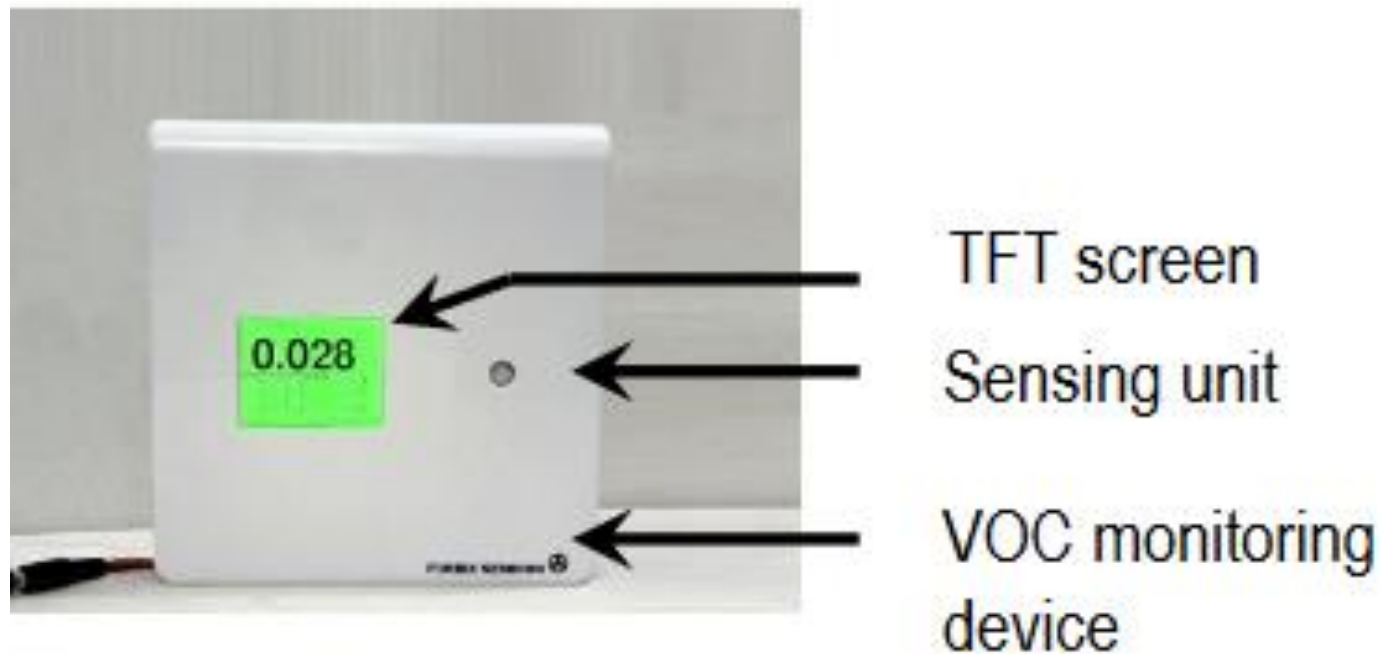
- Turn on the VOC monitor by providing power supply
- Wait for the monitor to initialize. This might involve a startup sequence or display of important information.

Step-2**Take a note of reading**

Air Quality values	Description
GOOD value < 0.10 ppm	Breathing air quality is healthy
NORMAL 0.10 ppm < value < 0.50 ppm	Air purifier is preferable; might cause breathing troubles like coughing, sneezing if exposed for a prolonged duration
POOR 0.50 ppm < value < 1.50 ppm	Not good for health. Will cause health hazard if continuously exposed under these breathing conditions
ALARM 1.50 ppm > 5.00 ppm	to breathe even for more than 10-15 minutes. Recommend to turn off the monitor in such cases

Step-3

Basic Measurements:

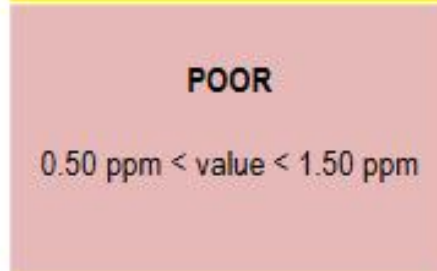
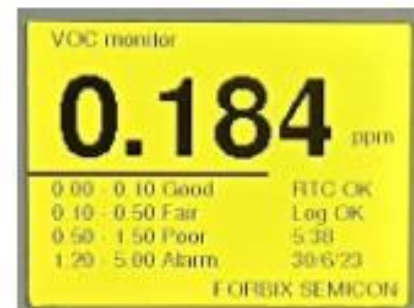
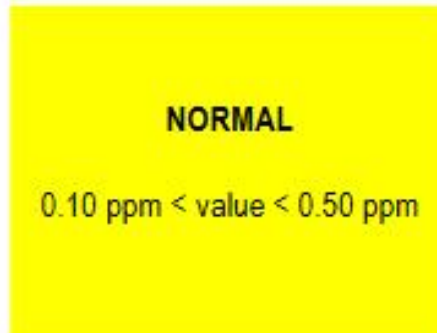


Basic Measurements:

- The VOC monitor will continuously measure the concentration of volatile organic compounds in the air.
- The display will show the real-time VOC concentration in the selected measurement units (parts per million – ppm)

Step-4

Basic Alarms and Alerts



Level of VOC gas content range

Alarms and Alerts:

- This device comes equipped with inbuilt threshold levels designed to trigger alerts in the event of elevated VOC concentrations
- The monitor will trigger alerts (audible, visual) when VOC concentrations exceed the set limits.

Step-5

Check concentrations of VOC's in varies levels:



The concentration of volatile organic compounds (VOCs) at different heights within a room can indeed vary due to factors like emission sources, air circulation, and the specific properties of the VOCs.

Keeping a VOC meter at a height of 3-4 feet can be a reasonable approach to capture an average measurement of indoor air quality. This height is often referred to as "breathing height," as it's closer to where people typically breathe. Placing the VOC meter at this height can provide a good representation of the air quality that individuals are actually exposed to.

VOC concentration at various levels

1.Bottom Level:

- a. Near the floor, concentrations of VOCs might be slightly elevated due to possible heavier VOCs sinking towards the ground.
- b. VOCs emitted from sources like carpets, furniture, and cleaning products can contribute to higher levels closer to the floor.

2.Middle Level:

- a. In the middle of the room, concentrations might be more evenly distributed due to mixing caused by natural air circulation.
- b. This level might represent a more representative average of VOC concentrations in the room.

3.Near the Roof:

- a. VOC concentrations near the ceiling or roof might be lower because warmer air tends to rise, potentially carrying some VOCs with it.
- b. However, if there's an emission source near the ceiling (e.g., high-mounted equipment), concentrations might be higher there.

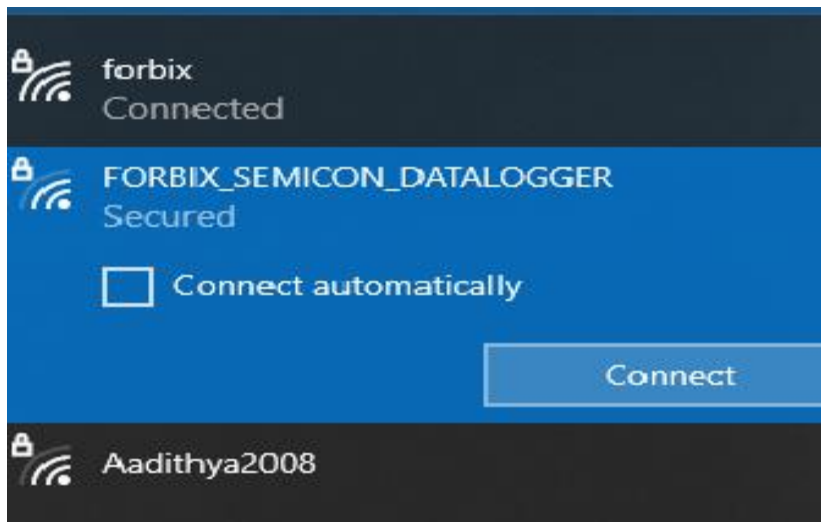
Step-6

Datalogger machine

Step-by-step guide on how to operate it.

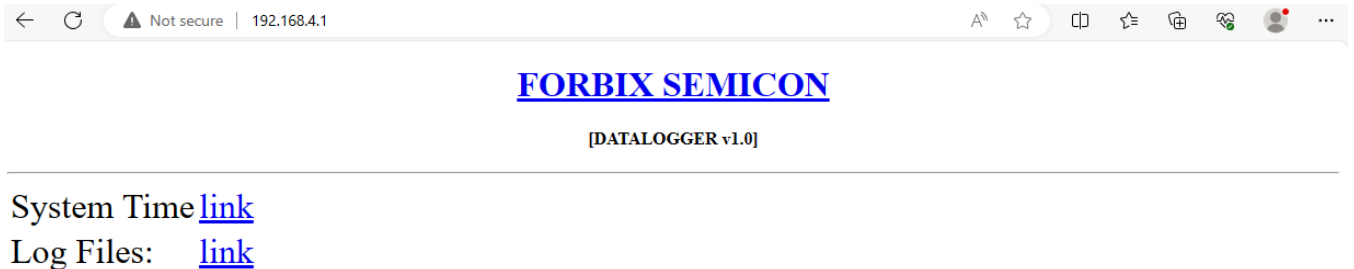
Please follow these instructions carefully for optimal performance:

1. After power up the machine, machine launches its own network. Users need to connect to the network generated by the machine.
Ex: FORBIX_SEMICON_DATALOGGER , FBX_DATALOGGER
(The password for the network will be provided on a sticker located on the back side)



2. Launch your preferred web browser on your computer or mobile device. Carefully enter the complete URL exactly as it appears on the back side device (something like <http://192.168.1.1>).

After entering the URL, you will be directed to a webpage that contains specific content, information, or resources related to the image or its context. The content on this webpage has been designed to provide you with valuable and relevant information.



3. Click on the log files link to initiate the download process.

Once you click on log files there are multiple files will be shown, user can download the data for a specific date.

The downloaded data will be in a text format.

FORBIX SEMICON

[DATA LOGGER v1.0]

System Time [link](#)

SD Card Info: [link](#)

Log Files: [link](#)

Browser Time: 29/03/19 12:27:50

RTC Time: 29/03/19 27:36

Update RTC Time: [Update](#)

Sd Card: present

Volume type: FAT32

Volume size: 3802Mb

[1-3-19.TXT](#) [115]

[1-1-0.TXT](#) [37]

[14-3-19.TXT](#) [644]

[28-3-19.TXT](#) [2901]

[29-3-19.TXT](#) [2158]

Logged files date

Time

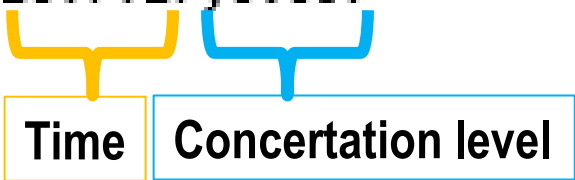
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[/10-9-23.Csv](#) [120558]



Click and download

Downloaded data in text format

16:4:3,0.054
16:4:8,0.055
16:4:17,0.056
16:4:31,0.057
16:4:40,0.056
16:4:51,0.055
16:4:57,0.054
16:5:2,0.052
16:5:17,0.053
16:5:23,0.052
16:5:28,0.053
16:5:34,0.055
16:5:42,0.053
16:5:51,0.052
16:5:59,0.050
16:6:11,0.049
16:6:17,0.050
16:6:31,0.051
16:6:40,0.052
16:7:3,0.053
16:7:9,0.055
16:7:17,0.057



Step-7

Maintenance and Cleaning:

- a. Regularly clean the external surfaces of the monitor with tissues/Cloths.
- b. Caution: **DO NOT** use thinner, aerosol or alcohol based cleaning agents
- b. After a usage of around 10,000hrs, the instrument should be to our factory to replace the sensors.

Step-8

Powering Off:

- a. After the purpose is over, turn OFF the monitor.
- b. When not in use, keep the machine in turn OFF position
- c. Do not expose the unit to high concentration of VOC for prolonged duration. If the measurement reaches ALARM condition, then it is recommended to turn off the unit after noting the readings and place this apparatus at a relatively clean location

Step-9

Measures to take for high VOC level

•Ventilation:

- a. Open windows and doors to increase fresh air circulation and dilute the concentration of VOCs.
- b. Use exhaust fans to help expel contaminated air from the area.
- c. Turning off the air conditioning (AC) system when VOC levels exceed safe limits can be a useful measure to help prevent the circulation of VOC-contaminated air throughout the indoor environment.



Scan the QR code for video demonstration



Scan the QR code for technical document