



Model: FBXYF3 (YellowFox3 VOC air quality monitor)

VOC monitor for (Formaldehyde / Benzene / Toluene and TVOC)

Features:

- VOC gas measuring range: 0.000 to 5.000 ppm
- Accuracy: $\pm 5\%$
- Resolution: ≤ 0.1 ppm
- Long term stability: ± 0.5 %rH
- Operating temperature: 0°C to +50°C
- Operating humidity: 0 to 100 %rH (relative humidity)
- Following is the relative sensitivity for various different vapors
 - LPG / CNC, highly sensitive
 - Formaldehyde (HCHO), highly sensitive
 - Benzene, Toluene, moderately sensitive
 - Gasoline and petroleum products, highly sensitive

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

- 4 for air quality index (GOOD/NORMAL/POOR/ALARM), indicated by corresponding background screen colors, (viz GREEN / YELLOW / MAGENTA / RED)
- ALARM sound when readings are very high in alarm condition
- Operating voltage: 12 volt DC (FBXYF3T monitor comes with an adapter 110-220VAC to 12VDC)

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- Apparatus is designed for indoor use only
- The gas needs to reach the sensing *point* (through the air inlet cavity holes) , for the machine to detect the VOC concentration
When not in use, keep the machine in turn OFF position
- 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
- For accurate readings, avoid exposing the device to polluted environments that are over 1.000ppm for a duration over 2-3 minutes.
- Recalibration time nearly 4000 working hours.



GOOD
value < 0.10 ppm



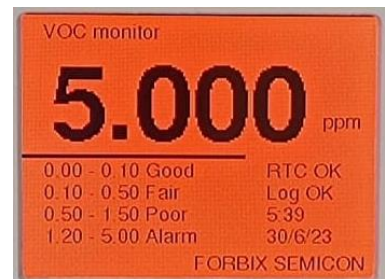
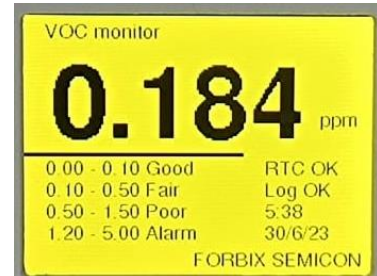
NORMAL
0.10 ppm < value < 0.50 ppm



POOR
0.50 ppm < value < 1.50 ppm



ALARM
1.20 ppm > 5.00 ppm



Level of VOC gas content range

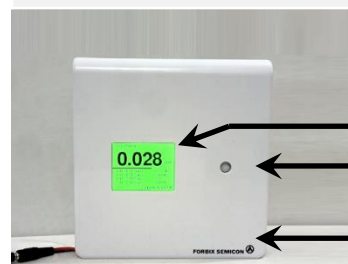
Contents of VOC Monitor TFT display and background colour changes on changing VOC gaseous concentration

Dimensions:

Device size: 180 x 180 x 25 mm

Weight: 250-280 gms

Monitors: almost all VOCs and hydrocarbons, Formaldehyde, Benzene, Toluene, Xylene, Styrene, Acetone etc.



TFT screen

Sensing unit

VOC monitoring device

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