

# FBXYF3: YellowFox3 air quality monitor

## Technical specification



**Model: FBXYF3**

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

**Features:**

- VOC gas measuring range: 0.000 to 5.000 ppm
- Accuracy:  $\pm 5\%$
- Resolution:  $\leq 0.1$  ppm
- Long term stability:  $\pm 0.5$  %rH
- Operating temperature:  $0^{\circ}\text{C} - 50^{\circ}\text{C}$
- Operating humidity: 0 to 100 %rH (relative humidity)
- Following is the relative sensitivity for various vapors
  - LPG / CNC highly sensitive
  - Formaldehyde (HCHO) highly sensitive

Air Quality values	Description
<b>GOOD</b> Value < 0.050ppm	Breathing air quality is healthy
<b>NORMAL</b> 0.080ppm < value < 0.050ppm	Air purifier is preferable; might cause breathing troubles like coughing, sneezing if exposed for a prolonged duration
<b>POOR</b> 0.080ppm < value < 0.050ppm	Not good for health. Will cause health hazard if continuously exposed under these breathing conditions
<b>ALARM</b> value > 1.200ppm	to breathe even for more than 10-15 minutes. Recommend to turn off the monitor in such cases

- 4 indicators for air quality index (BLUE / GREEN / YELLOW / 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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- 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**
- Keep the turn off the machine
- Do not expose to high concentration machine in rest till the booting time is over (usually 10 seconds)
- In ALARM condition, of obnoxious gas environment

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