

FBXYF2: YellowFox2 air quality monitor

Technical specification

Model: FBXYF2

Monitor for Carbon Dioxide (CO₂), temperature °C, humidity (%rH)

Features:

- CO₂ gas measuring range: 200 to 10,000 ppm
- Temperature measuring range: 0°C to +50°C
- Humidity measuring range: 0 %rH to 99 %rH
- Accuracy: CO₂ gas ± 50 ppm + 5% reading value
- Resolution:
 - CO₂ ≤ 0.1 ppm
 - Humidity ± 0.1 %rH
 - Temperature 0.1 °C
- Operating temperature: 0°C – 70°C
- Operating humidity: 0 to 100 %rH (relative humidity)



Air Quality values

Description

GOOD

Value < 600 ppm

Breathing air quality is healthy

NORMAL

600 ppm < value < 1200 ppm

Air purifier is preferable; might cause breathing troubles like coughing, sneezing if exposed for a prolonged duration

POOR

1200 ppm < value < 1800 ppm

Not good for health. Will cause health hazard if continuously exposed under these breathing conditions

ALARM

value > 1800 ppm

Smoky air, not fit 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 (FBXYF2T monitor comes with an adapter 110-220VAC to 12VDC)

FORBIX SEMICON INDIA PVT. LTD.

Bangalore, India

Website: <https://www.forbixindia.com>

+91 9742370190 / +91 9742159846

FORBIX Osäuhing,

Tallinn, Estonia

Website: <https://www.forbix.eu>

+372 880 1510

Email: sales@forbixindia.com

- Apparatus is designed for indoor use only
- Carbon dioxide (CO₂) gas needs to reach the sensing point (through the air inlet cavity holes), for the machine to detect the CO₂ concentration
 - Initial booting time 10-20 seconds. Ignore 1st few readings
 - When not in use, keep the machine in turn OFF position
 - Do not expose the unit to high concentration of CO₂ 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 2000ppm for a duration over 2-3 minutes.
 - Recalibration time nearly 4000 working hours.

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