

FBXYF1: YellowFox-1 air monitor (PM1.0 / PM2.5 / PM10)

Technical specification

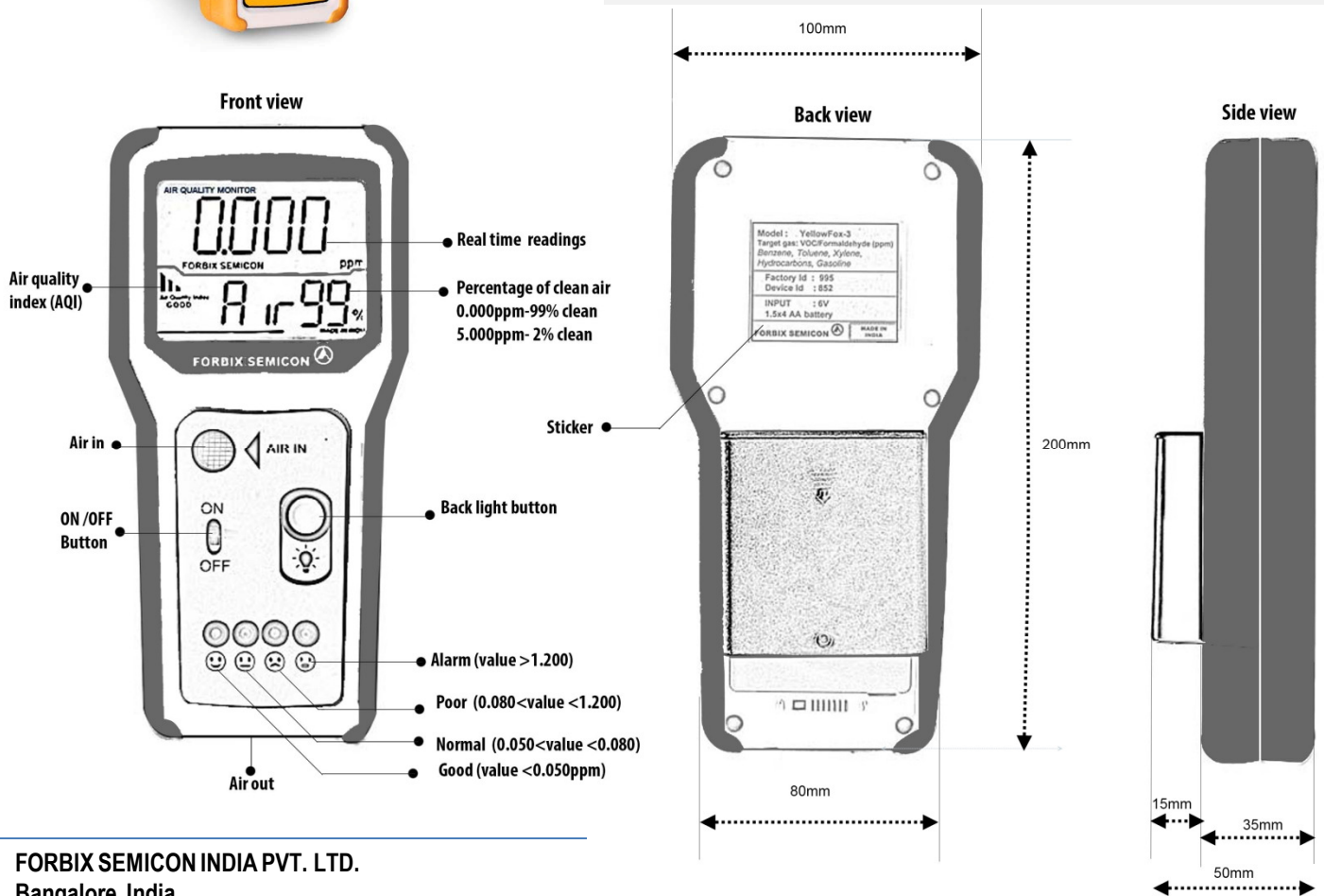


Model: FBXYF-1

Air monitor to check particulate matter PM1.0 / PM2.5 / PM10

Features:

- Measuring range: 10– 1000 $\mu\text{g}/\text{m}^3$
- Accuracy: $\pm 5\%$ for values below $400\mu\text{g}/\text{m}^3$
- Resolution: $\sim 15 \mu\text{g}/\text{m}^3$
- Long term stability: $\pm 0.5 \%$ rH
- Operating temperature: $0^\circ\text{C} - 50^\circ\text{C}$
- PM1.0 / PM2.5 / PM10 display values in round robin



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Air Quality Index (AQI) values:

- **GOOD:** Value < 100 $\mu\text{g}/\text{m}^3$ (breathing air quality is healthy)
- **NORMAL:** 100 $\mu\text{g}/\text{m}^3$ < value < 200 $\mu\text{g}/\text{m}^3$ (air purifier is preferable; might cause breathing troubles (like coughing, sneezing if exposed for a prolonged duration)
- **POOR:** 200 $\mu\text{g}/\text{m}^3$ < value < 400 $\mu\text{g}/\text{m}^3$ (not good for health. Will cause health hazard if continuously exposed under these breathing conditions)
- **ALARM:** value > 400 $\mu\text{g}/\text{m}^3$ (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 6volt DC (4 x AA 1.5volt)