Air Quality Monitors

Made in INDIA



FORBIX SEMICON

Air quality monitors

- Dust monitor optical (PM 2.5) [µg/m^3]
- Dust monitor laser (PM 1.0 / PM 10) [µg/m^3]
- CO_2 (Carbon dioxide) [ppm]
- VOC (Volatile Organic Compounds) [ppm]
- HCHO (Formaldehyde) [ppm]
- LPG alarm
- CO (Carbon monoxide) [ppm]
- NH_3 (Ammonia) [ppm]
- Temperature [°C] humidity / humidity [%rH]

www.forbixindia.com
ph : +91 80 6452 1122
+91 9845100274

FORBIX SEMICON
#134, D.R.D.O.
Phase 2Main road,
C.V. Raman nagar
Bangalore 560093
India

1

Product code / Model	Feature	Application
Dust monitor for PM2.5 (used for indoor purpose) LCD color variant: Lemon Green / Bluish White **Model: FBXDQM**	Dust quality monitor. This unit shows PM2.5 dust particulate matter count indoors in ug/m3. It also shows averaged out values (over a day) and percentage of clean air (from 10-800ug/m3) Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	Best suited for indoor pollution check applications. The monitor can tell the difference between before and after using the air purifier in the room. After initial 5-6 minutes booting time, every 30 seconds the reading is updated.



2

Product code / Model	Feature	Application
VOC monitor LCD color variant: Lemon Green / Bluish White **Model: FBXVOC**	VOC monitor for checking the presence of TVOC which includes, Benzene C6H6, Toluene and Xylene Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	The model checks for VOC contents in the atmosphere. Namely, Benzene (C6H6) and Carbon Monoxide (CO). TVOC (including Xylene is shown under the reading of Benzene)



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Product code / Model	Feature	Application
CO monitor LCD color variant: Lemon Green / Bluish White **Model: FBXCO**	CO (Carbon Monooxide) monitor for checking the presence of CO in room atmosphere Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	The model checks for CO (Carbon Monoxide) in room air. Best suited for kitchens, closets, drawing rooms, theaters, offices, etc.



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Product code / Model	Feature	Application
HCHO Formaldehyde monitor LCD color variant: Lemon Green / Bluish White **Model: FBXFQM**	HCHO (Formaldehyde) monitor for checking the presence of HCHO in room atmosphere 0-5ppm with resolution < 0.1ppm Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	This Formaldehyde monitor is best suited for Operation Theaters (in hospitals) before and after fumigation, in rooms with furniture, schools, colleges, offices and residential places. Also used extensively in labs.



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Product code / Model	Feature	Application
NH3 Ammonia monitor LCD color variant: Lemon Green / Bluish White **Model: FBXNH3**	NH3 (Ammonia) monitor for checking the presence of NH3 in room atmosphere 5-500ppm with accuracy +/- 15% Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	The Ammonia monitor is best suited for washrooms and toilets in offices, college, hospitals or even public places. It checks for the foul smell in the room as well.



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Product code / Model	Feature	Application
O3 Ozone monitor LCD color variant: Lemon Green / Bluish White **Model: FBX03**	O3(ozone) monitor for checking presence of O3 in room temperature 10 - 2000 ppb Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	The Ozone monitor is but suited for clean rooms, which has negative ion generator or air purifiers. Ozone is by product of negative ion generator



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Product code / Model	Feature	Application
CO2 + Temperature + Humidity LCD color variant: Lemon Green / Bluish White **Model: FBXTHCO2**	CO2 (Carbon Dioxide) monitor for checking the presence of CO2 in room atmosphere CO2 = 200 - 2000ppm Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 160mm x 100mm x 30mm Weight: 230 gms	CO2 monitor. This unit checks for the presence of CO2 in the atmosphere. The model also checks for ambient temperature and humidity



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Product code / Model	Feature	Application
Dust (PM2.5) + Temperature + Humidity LCD color variant: Lemon Green / Bluish White **Model: FBXDTH**	Dust Monitor + Temperature + Humidity Dust for PM2.5 (10-1400 ug/m3) Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 450 gms	Pollution monitor checks for the room ambient temperature, humidity and dust particulate matter count (for PM2.5). Best suited for offices, banks, colleges, houses, dispensary, hospitals, etc.



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Product code / Model	Feature	Application
CO2 + Dust (PM2.5) + Temperature + Humidity LCD color variant: Lemon Green / Bluish White **Model: FBXDTHCO2**	Dust Monitor + CO2 + Temperature + Humidity Dust for PM2.5 (10- 1400 ug/m3) CO2 = 200 - 2000ppm Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 500 gms	Pollution monitor checks for the room ambient temperature, humidity, CO2 (Carbon dioxide) and dust particulate matter count (for PM2.5). Best suited for offices, banks, colleges, houses, dispensary, hospitals, etc.



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Product code / Model	Feature	Application
Formaldehyde + Temperature + Humidity LCD color variant: Lemon Green / Bluish White **Model: FBXFTH**	HCHO + Temperature + Humidity Formaldehyde (HCHO) 0-5ppm (+/- 0.1ppm) Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 430 gms	The unit checks for the presence of Formaldehyde (HCHO). It also checks for ambient temperature and humidity. The unit best suits for Operation Theaters (in hospitals) before and after fumigation, in rooms with furniture, schools, colleges, offices and residential places. Also used extensively in labs.



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Product code / Model	Feature	Application
Dust (Laser sensor technology) for PM1.0 and PM10 LCD color variant: Lemon Green / Bluish White **Model: FBXDLQM**	Dust PM1.0 and PM10 (very accurate Laser sensor technology Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 430 gms	The unit checks for the presence of PM1.0 and PM 10 accurately. Dust sensing is done using LASER based sensors, which are very accurate and can sense even minute dust particles inside the room. The unit best suits for Operation Theaters (in hospitals, clean rooms, offices, houses, schools, colleges, offices and residential places. Also used for duct ventilation checkup. Can we used outdoors as well.



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Product code / Model	Feature	Application
Dust (Laser sensor technology) + Temperature + Humidity LCD color variant: Lemon Green / Bluish White **Model: FBXDLTH**	Dust PM1.0 and PM10 (very accurate Laser sensor technology Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 430 gms	The unit checks for the presence of PM1.0 and PM 10 accurately. It also checks for ambient temperature and humidity. The unit best suits for Operation Theaters (in hospitals, clean rooms, offices, houses, schools, colleges, offices and residential places. Also used for duct ventilation checkup. Can we used outdoors as well.



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Product code / Model	Feature	Application
Dust (Laser sensor technology) + CO2 + Temperature + Humidity LCD color variant: Lemon Green / Bluish White Model: **FBXDLTHCO2**	Dust PM1.0 and PM10 (very accurate Laser sensor technology) CO2 = 200 - 5000 ppm Temperature = 0C to 50C Humidity = 0%rH to 100%rH Operating voltage: 12VDC (adapter operated) Size: 245mm x 165mm x 47mm Weight: 500. gms	The unit checks for the presence of PM1.0 and PM 10 accurately along with CO2 (carbon dioxide). It also checks for ambient temperature and humidity. The unit best suits for Operation Theaters (in hospitals, clean rooms, offices, houses, schools, colleges, offices and residential places. Also used for duct ventilation checkup. Can we used outdoors as well.



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Product code / Model	Feature	Application
LPG sensor standalone with buzzer **Model: FBXLPG01**	LPG detection sensor with alarm buzzer (standalone) Operating voltage: 12VDC (adapter operated) The unit detects the presence of LPG or hydrocarbons near thesensor unit It buzzes alarms once the concentration of LPG is more than hazardous condition Size: 160mm x 100mm x 30mm Weight: 230 gms	The unit detects the presence of LPG or hydrocarbons near the sensor unit. It is is extensively used in kitchens of residential houses, service apartments, offices, hotels, cafeteria etc.



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Product code / Model	Feature	Application
LPG sensor with inbuilt wireless transmitter **Model: FBXLPG02**	LPG detection sensor with inbuilt transmitter unit Operating voltage: 12VDC (adapter operated) The unit detects the presence of LPG or hydrocarbons near the sensor unit It sends distress alarm signals (over wireless to nearby siren receivers), whenever LPG is detected. Size: 160mm x 100mm x 30mm Weight: 230 gms	The unit detects the presence of LPG or hydrocarbons near the sensor unit. It is is extensively used in kitchens of residential houses, service apartments, offices, hotels, cafeteria etc. The benefit of this system is that the sensor can be at a location and the alarm at another location



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Product code / Model	Feature	Application
LPG sensor with high volume siren **Model: FBXLPG03**	LPG detection sensor with loud volume siren (~118db) Operating voltage: 12VDC (adapter operated) Size: 160mm x 90mm x 120mm	LPG, furnances, factories



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END OF DOCUMENT

Product designed and
manufactured by
FORBIX SEMICON
#134, D.R.D.O Phase 2 Main Rd,
C.V.RamanNagar
Bangalore - 560093, India
Contact: +91 80 64521122
email: sales@forbixindia.com

www.forbixindia.com
www.forbixsemicon.com