

Radiation and Chemical Air Quality Monitor

Model - FM-9-MABC

Description Chemical Sensors

Mix and Match at Time of Order

- | | |
|----------------------------------|------------------------------------|
| - Chemical | - NO ₂ Nitrogen Dioxide |
| - Methane | - SO ₂ Sulfur Dioxide |
| - Diesel Fumes and Particulates | - O ₃ Ozone |
| - CO Carbon Monoxide | - VOC |
| - CO ₂ Carbon Dioxide | - Fine Particulates |

Description Chemical Sensors

- Thermal
- Temperature
- Relative Humidity

Description Radiation and Chemical Sensors

- The system typically uses a quick change 47mm filter.
- The unit comes with an AP-3V air pump or may be plumbed to hood exhaust or in-house air system.
- Included with the **FM-9-MABC-Air Monitor**:
 - Quiet Green Turtle Air Pump
 - User's Manual
 - Six feet plastic tubing
 - A box of 100 Filters

Description Electronics

- The measurement rate is shown on the front panel color monitor display both rate and integrated information.
- The high level alarm trip point is settable over the entire range.
 - » When activated, the system provides an on screen red alert and an audible alarm warning.
 - » An adjustable alarm delay prevents short term transient alarms.

Specifications Radiation

Detectors:	Alpha, Beta Particulate (1 Each)
Range:	Alpha: 10 ⁻² – 10 ⁵ Bq/cm ³ OR 10 ⁻¹ – 10 ⁶ Bq/cm ³ Beta: 3 x 10 ⁻¹ – 10 ⁵ Bq/cm ³
Sensitivity:	7x10 ⁻⁷ Bq/m ³ at 70 liter/min air flow with 1 hour reading.
Energy Response:	Alpha: 2.7-10MeV Beta: 80 KeV – 2.5 MeV
Counting Efficiency:	24% of 2 pi with wide window setting for Pu-239 source in the filter holder.
Response Time:	1 sec. to 40 hours.



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