



FM-9-BG Electronics

Features

- Detects Beta and Gamma Particulates Including Mo-99, Cs-137, K-40
- Airborne Concentration
- Integrated Exposure
- High Sensitivity
- **Optional:** Cyclone Particle Separator (**FM-9-BG-C**)
- Real Time Alarm
- Line Operated
- Bench Top
- Standard FM-9 Modules
- Can Draw Air From Hood, Duct, etc.
- Quick Change Filter Cartridge
- Real Time Air Flow Measurement Display
- Data Archive and Retrieval
- Computer Interface – USB or Ethernet

Application

The **FM-9-BG** Air Monitor assure safety against airborne radioactivity contamination by means of constant check with alarm and record capability. It provides integrated exposure information with an optional hard copy via external printer or computer.

Beta – Gamma Particulate Air Monitor

Model Series FM-9-BG

Models: **FM-9-BG** and **Model FM-9-BG-C**

It is a complete system but may be expanded per need with modules of the FM-9 series.

The **FM-9-BG** is **sensitive and versatile**.

The **FM-9-BG-C** has the **Optional** cyclone particle separator. Particles are pre-sorted prior to moving through the Beta Particulate Detector. The particle size of separation is for 2.5 and 10 microns.

It may be used to monitor stack effluent down to EPA levels as well as hoods, glove box or workplace air.

Description

The **FM-9-BG** uses a standard filter in TA's unique quick change, no leak holder to trap any airborne particulates. The filter is under constant surveillance via a thin window GM pancake detector.

Air is drawn by a regulated pump through a three-foot inlet hose and exhausted via a flow meter through another three-foot hose. These may be extended to allow monitoring of hoods, glove boxes, stacks, etc.

Time is recorded by a computer wired into the pump circuit. The unit is completely self-contained and portable. Complete with box of 100 filters.



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