

RADIATION & CHEMICAL AIR QUALITY MONITOR

Model ~ FM-9-MABC

FEATURES:

CHOICE OF SENSORS

NUCLEAR

- ONLY: ALPHA, BETA, GAMMA OR COMBINATION

CHEMICAL

- SEE CHEMICAL LIST – PER REQUEST
- BENCH TOP
- DUAL COORDINATED SINGLE CHANNEL ANALYZER WINDOWS
- INTERNAL DATA ARCHIVE & RETRIEVAL
- QUICK CHANGE FILTERS
- REAL TIME OPERATION; REAL TIME ALARM
- LOW AIR FLOW ALARM
- PROVIDES LOCAL OR REMOTE SAMPLING
- USB PORTS (4)
- **OPTIONS:**
 - REMOTE ALARM
 - REMOTE READOUT
 - CART MOUNTED
 - SENSORS: THERMAL, TEMPERATURE, RH
- **IP 54**



**FM-9-MABC
ELECTRONICS**

APPLICATION:

Technical Associates **FM-9-MABC Air Monitor** assures safety against airborne radioactivity and chemical contamination by means of constant check with alarm and record capability. It provides integrated exposure information via computer interface.

This Air Monitor is a complete system & may be expanded per need with modules of the **FM-9** series.

The **FM-9 Air Monitor** is **sensitive and versatile**.

It may be used to monitor work place air, stack effluent, hoods, glove box or room & environmental air.

DESCRIPTION RADIATION SENSORS:

- The **FM-9-MABC Air Monitor** utilizes a solid-state detector and two coordinated single channel analyzer windows.
- 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-Air Monitor Series:**
 - Quiet Green Turtle Air Pump
 - Six feet plastic tubing
 - User's Manual
 - A box of 100 Filters



TECHNICAL ASSOCIATES

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DIVISION OF



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RADIATION & CHEMICAL AIR QUALITY MONITOR

Model ~ FM-9-MABC

SPECIFICATIONS ELECTRONICS:

Readout:	7" Color LCD monitor built-in user data display.
<ul style="list-style-type: none">• Concentration of all Selected Hazards• Total Activity on Filter	User Settable Units: Radiation: cps, Bq, μCi , Bq/m^3 , $\mu\text{Ci}/\text{l}$, DAC, DAC-hr, Chemical: ppm, ppb, LEL, etc.
<ul style="list-style-type: none">• Air Flow Status• Air Flow Rate• Alarms – Audio & Visual - User Settable.• System Status; System Error• Alert Change Filter Due to High Activity Build Up - User Settable.• Torn Paper Filter Error Alert	
Alarm:	On-screen red-light alert; audible alarm
Pump:	Quiet Green Turtle Pump – AP-3V included. 115V 60Hz 2Amps. Optional: 220 V 50-60 Hz.
Flow Rate:	25 – 135 l/m (Normally set at 120 liters/min.)
Mass Flow Meter:	Real-Time air flow rate-data feeds directly into data analyzer software and Onboard computer for highest concentration accuracy eliminating need for manual adjustment of High and Low Flow Rates.
Ports:	Sample In & Sample Out (1 each) Purge Air Inlet (1) Calibration (2)
Filters:	Pack of 100 47mm filters included.
Temperature Range:	20 to 130 degrees F. (-7 to 54 degrees C.)
Finish:	Baked enamel, easily cleaned.

WEIGHT & DIMENSIONS:

Weight:	35 lbs.
Dimensions:	
Electronics Assembly & Internal Detector:	20"W x 13"H x 18" D.
Pump assembly:	8"W x 8"H x 14"D.

OPTIONS:

<input type="checkbox"/> Remote Alarm	<input type="checkbox"/> Remote Readout
<input type="checkbox"/> Cart Mounted	



Oil-Less Green Turtle Pump



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