

# ALPHA BETA GAMMA NETWORK AIR MONITOR

MODEL ~ ABG-NET & MODEL ~ ABG-R-NET

## FEATURES:

- MOVING FILTER
- ALPHA / BETA PARTICULATE DATA
- GAMMA AREA MONITOR
- STAND ALONE OR NETWORKED
- ONE CHANNEL – **ABG-NET**
- TWO CHANNEL – **ABG-R-NET (Radon)**
- WALL MOUNT, HAND HELD, OR TRIPOD MOUNT
- USB OR ETHERNET QUICK CONNECT
- OPTIONAL SEPARATE RADON DATA – **ABG-R-NET**



MOVING HEAD FILTER & CASE

## DESCRIPTION

**MODEL ABG-NET** is a networkable or standalone Air Monitor. Each unit includes:

- Moving filter tape
- Silicon or Scintillation Alpha particulate detector
- Thin window Beta particulate detector
- Ambient Gamma detector
- Internal Data logger
- USB or Ethernet Quick Connect
- Networking software.
- **MODEL ABG-R-NET** is the same as **MODEL ABG-NET** but the gross Alpha channel is replaced by two Alpha channels:
  - ❖ (1) for Pu-239 and other common Alpha emitters
  - ❖ (1) for Radon progeny.

## APPLICATION –

**MONITOR LARGE AREAS OR FACILITIES WITH MULTIPLE DETECTORS 10 TO 500 OR MORE**

- Suitable for plant-wide air monitoring function, or distribution within a metropolitan area.
- For baseline data collection, environmental or security uses.
- The ORO network system allows all data, alarm status and instrument status to be monitored at a central location on-screen or via various messaging modalities.



**TECHNICAL ASSOCIATES**

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MODEL ~ ABG-NET & MODEL ~ ABG-R-NET

RADIATION	NUCLIDES DETECTED	PHYSICAL FORM	COLLECTION MEDIA	SENSORS		DIA.	WINDOW
ALPHA	Pu-239 AND OTHER ALPHA EMITTERS	PARTICULATE	1.25" x 1,200" 5.0 µm TEFLON MEMBRANE FILTER	Si	NONE	1"	ALUMIZE D MYLAR
ALPHA -Optional	RADON PROGENY – ABG.R-NET Only	PARTICULATE		Si	ZnS (Ag)	1"	VAPOR DEPOSIT
BETA	GROSS BETA	PARTICULATE		GM		1"	MICA
GAMMA	ALL GAMMA	AREA MONITOR	AMBIENT	NaI(Tl)		2"	ALUM 0.060

## DESCRIPTION:

### MOVING FILTER HEAD ~ MFH-AB

- ❖ MOVING FILTER TAPE
- ❖ REMOTE AIR SAMPLING DETECTOR HEAD
- ❖ OPEN FACE BREATHING ZONE OPERATION FOR ROOM AIR
- ❖ SEALED PLASTIC CASE WITH CARRYING HANDLE
- ❖ CLEAR FRONT PANEL

### FILTER TAPE:

**MATERIAL:** 5.0 µm TEFLON MEMBRANE FILTER  
**SPECLON#** BSP-FILT-50BTA  
**WIDTH:** 1.25"  
**LENGTH:** 1,200" (other lengths optional)

### OPERATION:

**1 YEAR:** 1 YEAR UNATTENDED USE – STEP EVERY 8 HRS  
**1 MONTH:** 1 MONTH UNATTENDED USE – STEP EVERY 1 HR  
**SIZE:** 5" X 10" X 7"  
**WEIGHT:** 5 LBS

### MODES: (SPECIFY IN PURCHASE ORDER)

**REMOTE START:** SINGLE SHOT  
**TIMED OPERATION:** (PRESET TIME)  
 SINGLE SHOT AUTO REPEAT

## OPTIONS AND ACCESSORIES

### FILTER ROLLS:

LONGER, SHORTER

### SNIFFER HOSE:

FROM HOOD, GLOVE-BOX, STACK OR OTHER LOCATION

### MASS FLOW SENSOR:

PRECISION HOTWIRE SENSOR OR SIMPLE ROTOMETER

### POWER:

115 VAC – 60HZ STANDARD  
**OPTIONAL** 230 VAC – 50 HZ  
 DC SYSTEM ALSO AVAILABLE

### MOUNTING:

WALL MOUNT PLATE, HANDHELD OR TRIPOD



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