

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.



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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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