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

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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<table>
<thead>
<tr>
<th>RADIATION</th>
<th>NUCLIDES DETECTED</th>
<th>PHYSICAL FORM</th>
<th>COLLECTION MEDIA</th>
<th>SENSORS</th>
<th>DIA.</th>
<th>WINDOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALPHA</td>
<td>Pu-239 AND OTHER ALPHA EMITTERS</td>
<td>PARTICULATE</td>
<td>1.25” x 1,200”</td>
<td>Si</td>
<td>NONE</td>
<td>1”</td>
</tr>
<tr>
<td>ALPHA -Optional</td>
<td>RADON PROGENY – ABG-R-NET Only</td>
<td>PARTICULATE</td>
<td>5.0 μm TEFLOMN MEMBRANE FILTER</td>
<td>Si</td>
<td>ZnS (Ag)</td>
<td>1”</td>
</tr>
<tr>
<td>BETA</td>
<td>GROSS BETA</td>
<td>PARTICULATE</td>
<td></td>
<td>GM</td>
<td>1”</td>
<td>MICA</td>
</tr>
<tr>
<td>GAMMA</td>
<td>ALL GAMMA</td>
<td>AREA MONITOR</td>
<td>AMBIENT</td>
<td>Nal(Tl)</td>
<td>2”</td>
<td>ALUM 0.060</td>
</tr>
</tbody>
</table>

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 um TEFLOMN 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