

EnviScreen

Bio100



The Bio100 is a continuously-operating sensor designed to detect potentially harmful airborne biological agent releases and bio-threats.

The Bio100 operate as early warning detector of bio threat and is a key component of EnviScreen CBRN (Chemical, Biological and Radiological/ Nuclear) Monitoring System.



The Bio100 is cutting-edge security technology for seamless and transparent personnel and property protection.

Key Features

- Detects changes in concentration of active airborne biological particles with a diameter range of 1 to 10 microns
- Provides initial response in 30 seconds to 5 minutes depending on sensitivity required
- Automatically collects a particulate sample when elevated levels of biological materials are detected
- Continuous monitoring: system operates 24/7
- Complete self-diagnostic system that identifies need for service and maintenance
- No consumables required for monitoring
- Can detect concentrated releases of a variety of biological materials including anthrax, tularemia, viruses and toxins.
- When elevated levels of active biological material are detected a sample is collected to facilitate laboratory confirmation analysis.



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Specifications

Size (H x W x D):

450 mm x 360 mm x 110 mm
17.7" x 14.2" x 4.4"

Weight:

11,5 kg (25,3 lbs)

Power:

110...250 VAC (50-60Hz) or
12...36 VDC Adaptor & Battery Backup

Data Interfaces:

RS485-Bus
Relay Output for Alarm
Relay Output for Service/Maintenance/Fault

Operating Temperature:

0 to +40°C
32 to +104°F

Storage Temperature:

-40 to +70°C (Recommended 0 to +40°C)
-40 to +158°F (Recommended 32 to +104°F)

Protection Class:

IP43

Limit Of Detection:

10,000 agent containing particles per liter
of air

Response Time:

Minimum 30 seconds

Probability Of Detection:

99%

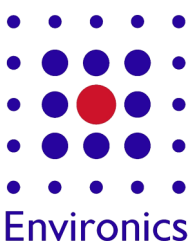
Optional Features:

- Local Audio & Visual Alarms
- Mounting on Vehicle & Naval Platforms

Applications:

- Building Safety Systems
- Subway Safety Systems
- Naval Applications
- Recon & Monitoring Vehicles
- Indoor Air Monitoring
- Area Monitoring Systems
- Mobile Systems

Time does matter. We are ready for that.



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