

# MAB



## MAB

Biological alarm monitor

Reconnaissance and critical areas  
surveillance operation

### Description

Raises a real time alarm on all change in the biological background (bacteria, toxins, viruses)

Continuous measurement

Adapted to harsh environmental conditions

RS485 data link, remote controllable

### Detection

Selective sampling (particles from 2 to 10 microns), chemical analysis of each particle (flame spectrometry)

Real time analysis of chemical elements ratio, flame light intensity and number of particles.

Alarm data: light and sound signal, data recording and transfer to either remote control box or security network, ability to trigger a biosampler

Sampling flow rate: 16 Liters per minute

Short response time: max 1 minute (threshold level), commonly 10 to 15 seconds

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Chemical and biological detection systems

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Image courtesy: JP Lagiewski

## Characteristics (mm, kg)

Length	Width	Height	Weight
300 mm	160 mm	470 mm (detection module) 895 mm (including air inlet)	14 kg

## Electrical characteristics

Electrical consumption: max 30W (at start), 15W (under stabilized operation)

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