

# Electronic Bed Monitor

**PureAIR**  
FILTRATION

PureAir's Electronic Media Bed Monitor (EBM) is a first-to-market electronic monitor for measuring actual media consumption in real time. Through continuous monitoring and an electronic notification system, this monitor makes unit maintenance predictable and plannable. It is available in two models: EBM-e and EBM-g.

## EBM-e



The EBM-e, an in situ rod equipped with built-in sensors, is inserted into the media bed to detect changes in the life of the adsorbent media. The sensors transmit this information to a control panel that predicts a media consumption date based on a proprietary algorithm.

## EBM-g



Used in classified environments, the EBM-g is a series of apertures that are built into air filtration systems. The apertures extract real-time samples of the air throughout the media bed to detect the progression of the unwanted gases levels. Based on the levels of these gases, the control panel uses a proprietary algorithm to predict a media consumption date.



## Features

- Instantaneous readings means no more sampling or waiting on test results
- Transmits results wirelessly or wired
- Predictive alarm sends alert when media is partially and completely consumed
- Provides odor control accuracy and system reliability
- Facilitates advance scheduling for media changeouts
- Avoids contaminant breakthrough and extended downtimes

## Notable Customers:

- Associated Engineering
- BHC Consultants Engineering
- City of Kalamazoo, Michigan Water Reclamation
- City of San Francisco Engineering
- Crawford, Murphy and Tilly Engineering
- CHA Engineers
- Freese & Nichols, Inc.
- Harriman Sanitation
- San Francisco Public Utilities
- Sherwood WTP

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