

BGI

58 Guinan St.
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frmOMNI™ Ambient Air Sampler (Filter Reference Method)

The **frmOMNI™** Provides EPA Reference Method Data Quality, For One Third the Cost.

frm
Filter Reference Method

omni



The **frmOMNI™** provides a flexible, low cost solution for TSP, PM 10, PM 2.5, PM 1 and Lead Monitoring.

Candidate U.S. EPA PM10 Method

Saturation monitoring has generally been accomplished at low flow rates in order to keep the cost and weight of the equipment down. BGI has brought this approach to its ultimate development with the addition of a true 5 lpm inlet. The US Environmental Protection Agency (EPA) encourages state and local air monitoring groups to conduct short-term multi-site pollutant monitoring studies using a non-reference method, small portable samplers.

The concept is to “Saturate” an area with easily deployed, inexpensive filter samplers, to assess air quality in areas with high concentrations of pollutants or at reclamation sites.

The additional data acquired using saturation samplers helps air pollution control agencies to evaluate their monitoring networks consistent with requirements in 40CFR Part 58.

Saturation monitoring may also be conducted to characterize the spatial distribution of pollutant concentration or to evaluate the contributions of sources in support of receptor modeling.

For more info REF:

<http://www.epa.gov/ttn/amtic/satmon.html>

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www.bgiusa.com





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Applications

- Fence line Monitoring
- Remediation Projects
- Saturation & Spatial Testing
- Remote Location Monitoring
- IAQ
- International Applications

Features

- **minPM™** Multi-cut Inlet (Pat. Pending), for TSP, PM 10, PM 2.5 and PM 1
- Inlet is Verified By HSE for Entry Bias Ensuring Reference Method Type Data Quality
- Light Weight and Field Portable (< 5lbs.)
- Power: AC, DC and Solar
- Runs For Up to 48 Hours on DC Power

frmOMNI™ Parts and Accessory List

Part#	FRM Omni (5.0 lpm Flow Rate)
5003	FRM Omni w/ Mini PM Set Up for PM 10.0 and Power Supply
5004	FRM Omni w/ Mini PM Complete for TSP, PM 1.0, 2.5, 10.0 Monitoring and Power Supply
5012	FRM Omni (Sampler Only) and Power Supply
<i>Accessories / Spare Parts</i>	
2599	TSP Jet for Mini PM
2618	PM 1.0 Jet for <i>MiniPM</i>
2617	PM 2.5 Jet for <i>MiniPM</i>
2741	PM 4.0 Jet for <i>MiniPM</i>
2616	PM 10.0 Jet for <i>MiniPM</i>
5005	FRM Mounting Bracket (for use on flat surface or circular dia. up to 15")
5006	FRM Tripod Stand
F212	Filter Cassette, 46.2 mm
2738	DeltaCal Adapter (used to connect DeltaCal with FRM Omni for flow calibration)
2739	Tubing Adapter (used to connect a flow calibrator to FRM Omni using tubing)
5013	USB to RS232 Cable
5014	RS232 Cable w/ Adapter for Connection to DeltaCal
5015	Battery (Lead Acid)

