



# OMNI Ambient Particulate Sampling System



## Applications:

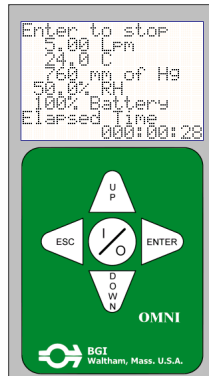
TSP, PM10, PM2.5, PM1 Sampling  
Remote Network Monitoring  
Saturation and Perimeter Monitoring  
Health Effects Surveys

## Features:

Volumetric Flow Control  
Mini FRM-Style Inlet  
Lightweight, Weatherproof and Portable  
48 Hour Sampling with Internal Battery  
AC, DC and/or Solar Powered  
On-Board Microprocessor and Logger  
User Friendly Interface  
Utilizes EPA-Standard 47mm Filter Cassettes

The BGI OMNI provides a cost-effective means of collecting high-quality particulate samples. It is ideally suited for remote or saturation monitoring networks.

To ensure reference method type data, this 5 lpm sampler provides volumetric flow control and a certified FRM-style inlet. Interchangeable jets allow the unit to be quickly configured for TSP, PM10, PM2.5 or PM1 sampling applications.



A comprehensive user interface allows the user to modify and review operating parameters. The firmware permits programming of the start and run time, as required. Moreover, the on-board microprocessor stores a detailed log of volumetric flow conditions. All recorded information may be retrieved via the RS232 serial port.

Calibration of the OMNI is straightforward, and is accomplished via the keypad display. When connected to the BGI Tri-Cal, flow, temperature and pressure adjustments are completed at the push of a button.

The OMNI will continuously operate for 48 hours from its internal battery. A line adapter recharges the device, and allows the sampler to operate in AC mode. To augment power for remote monitoring applications, the OMNI can be connected to an external deep cell battery or solar panel.

All in all, the OMNI incorporates all the features associated with U.S. EPA reference method samplers, but in an economical and easily fieldable package.