

# PQ200 - Particulate Sampler

## BGI PQ200

FRM with Very Sharp Cut Cyclone or  
EPA WINS Impactor

The PQ200 provides EPA Reference and Audit  
Method data for  $PM_{10}$  and  $PM_{2.5}$

The BGI PQ200 Sampler uses Mesa Labs pioneering technology to meet and exceed the requirements for ambient particulate sampling dictated by the U.S. Environmental Protection Agency. This includes the design of reliable  $PM_{10}$ ,  $PM_{2.5}$  and  $PM_1$  Inlets, Volumetric sample flow rate control, data logging and software for report and data processing.

### Applications

- Ambient Particulate Federal Reference Method (FRM) Sampling
- $PM_{2.5}$  FRM with Solar Approval
  - (RFPS-1298-125)  $PM_{10}$  FRM
  - (RFPS-0498-116)  $PM_{2.5}$  Audit FRM
  - (RFPS-0202-142)  $PM_{2.5}$  VSCC
  - (RFPS-1208-173) PM Coarse
- Fence Line Monitoring
- Remediation Projects
- Remote Site Monitoring

### Features

- Volumetric Flow Control using ambient temperature and barometric pressure compensated mass flow sensor
- Dual Diaphragm Vacuum Pump
- Portable and only EPA designated sampler with solar augmentation and audit sampler approval
- Operates up to 30 hours from its internal 12 Volt DC battery. AC power outages do not affect the sample event, true continuous sampling with no interruptions.
- Can be configured for  $PM_{10}$ ,  $PM_{2.5}$ ,  $PM_1$  and TSP.



PQ 200 Ambient  $PM_{10}$  &  $PM_{2.5}$   
Sampler

### PQ200 Ordering Information

<b>Part # PQVSCC:</b>	$PM_{2.5}$ FRM Fine Particulate Sampler, with $PM_{2.5}$ VSCC, 120/240 Volt. English/Spanish version available
<b>Part # PQ200PM10:</b>	$PM_{10}$ FRM Fine Particulate Sampler, 120/240 Volt. English/Spanish version available
<b>Part # PQ200TSP:</b>	Particulate sampler with TSP inlet head. 120/240 volt. English/Spanish version available.
<b>Part # X015:</b>	Advanced pump rebuild kit: valves, diaphragms, "O" rings and bearing
<b>Part # F212:</b>	Filter cassette, 46.2 mm
<b>Part # F215:</b>	Filter cassette with F214 Transport Carrier
<b>Part # F214:</b>	Cassette Transport Carrier (nickel-plated aluminum)
<b>Part # WE10:</b>	WINS Eliminator to convert $PM_{2.5}$ Sampler to $PM_{10}$ FRM
<b>Part # VSCCB:</b>	$PM_{2.5}$ Cyclone to convert PQ200 from a $PM_{10}$ Sampler to $PM_{2.5}$ FRM