

# BGI PQ200

## US EPA FRM for PM<sub>10</sub>, PM<sub>2.5</sub>, and PM<sub>10-2.5</sub>

The BGI PQ200 portable FRM sampler is the only EPA designated reference sampler capable of a 24 hour run on internal built-in 12 volt battery. The PQ200 features easy to navigate menu structure and memory capacity which allows the user to store up to seven 24-hour runs with defined start/stop times. Whether sampling TSP, PM<sub>10</sub>, PM<sub>2.5</sub>, or PM<sub>1</sub>, the PQ200 makes ambient particulate air sampling a breeze.

### General

- » Particle Size: PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>, TSP
- » Flow Range: 10-20 LPM
- » Sampling Interval: 24-Hour Sampling

### Flow Control

- » Pump: Dual Diaphragm Vacuum Pump
- » Flow Rate Measurement Accuracy: ±2%
- » Automatic, multi-point flow calibration using the deltaCal calibrator

### Environmental

- » Operating Temperature: -30 to 50 °C
- » Ambient/Filter Temperature Sensor Resolution: 0.1 °C
- » Temperature Sensors Accuracy: ±0.16 °C
- » Barometric Pressure Sensor: 545 to 800 mmHg
- » Easily calibrate temperature/pressure through simple-to-navigate menu

### Electrical and Communication

- » Internal Battery: 12V 18Ah
- » Optional: Solar
- » Data Output: RS232 & USB Connection
- » Interface: Push-button
- » Language Options: English, Spanish
- » USB connectivity for easier data download via portable flash drive
- » Ability to upgrade firmware automatically via flash drive
- » Diagnostic log file to retrace conditions



#### US EPA Designation:

EPA RFPS-1298-125 FRM for PM<sub>10</sub>  
EPA RFPS-0498-116 FRM for PM<sub>2.5</sub>  
EPA RFPS-1208-173 FRM for PM<sub>10-2.5</sub>

#### PQ200 Ordering Information

**Part # PQVSCC:** PM<sub>2.5</sub> FRM Fine Particulate Sampler, with PM<sub>2.5</sub> VSCC, 120/240 Volt. English/Spanish version available

**Part # PQ200PM10:** PM<sub>10</sub> FRM Fine Particulate Sampler, 120/240 Volt. English/Spanish version available

**Part # PQ200TSP:** Particulate sampler with TSP inlet head. 120/240 volt. English/Spanish version available.

**Part # VSCCB:** PM<sub>2.5</sub> Cyclone to convert PQ200 from a PM<sub>10</sub> Sampler to PM<sub>2.5</sub> FRM