

PQ200 - Particulate Sampler

BGI PQ200

FRM with Very Sharp Cut Cyclone

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, PM₁₀, PM_{2.5}, or PM₁, the PQ200 makes ambient particulate air sampling a breeze.

General



- Particle Size: PM₁₀, PM_{2.5}, PM₁, TSP
- Flow Range: 10-20 LPM
- Sampling Interval: 24-Hour Sampling

Flow Control



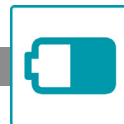
- Pump: Dual Diaphragm Vacuum Pump
- Flow Rate Measurement Accuracy: ±2%
- Automatic, multi-point flow calibration using the deltaCal calibrator

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 PM₁₀

EPA RFPS-0498-116 FRM for PM_{2.5}

EPA RFPS-1208-173 FRM for PM_{10-2.5}

PQ200 Ordering Information

Part # PQVSCC:	PM _{2.5} FRM Fine Particulate Sampler, with PM _{2.5} VSCC, 120/240 Volt. English/Spanish version available
Part # PQ200PM10:	PM ₁₀ 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 _{2.5} Cyclone to convert PQ200 from a PM ₁₀ Sampler to PM _{2.5} FRM