BGI PQ200

Ambient Air Particulate Sampler

TES Thomson Environmental Systems

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MesaLabs

PQ200 Ambient Air Particulate Sampler

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_{10}, $PM_{2.5}$, or PM_{1}, the PQ200 makes ambient particulate air sampling a breeze.

GENERAL

+ Particle Size: PM_{10}, $PM_{2.5}$, PM_{1}, 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

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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

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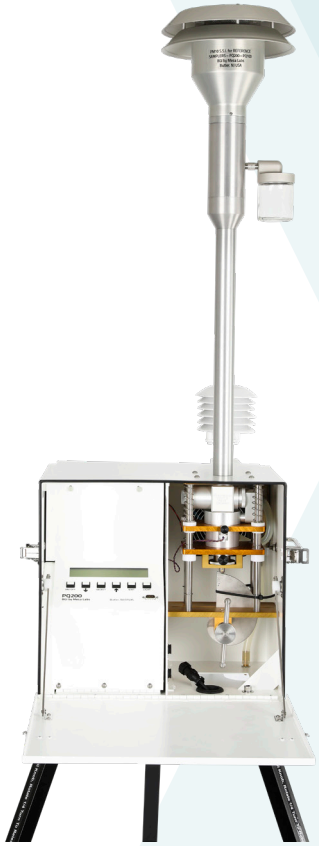
PQ200® Ordering Information

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

US EPA DESIGNATION:

+ EPA RFPS-1298-125 FRM for PM_{10}
+ EPA RFPS-0498-116 FRM for $PM_{2.5}$
+ EPA RFPS-1208-173 FRM for $PM_{10\text{-}2.5}$



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Learn more at mesalabs.com

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