

BGI PQ200

FRM with Very Sharp Cut Cyclone or
EPA WINS Impactor

PQ200 - Particulate Sampler

The PQ200 provides EPA Reference and Audit Method data for PM₁₀ 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 PM₁₀, PM_{2.5} and PM₁ 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) PM₁₀ 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 PM₁₀, PM_{2.5}, PM₁ and TSP.



PQ 200 Ambient PM₁₀ & PM_{2.5} Sampler

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 # X015:	Advanced pump rebuild kit: valves, diaphragms, "O" rings and bearing
Part # F212:	Filter cassette, 46.2 mm
Part # F215:	Filter cassette with F214 Transport Carrier
Part # F214:	Cassette Transport Carrier (nickel-plated aluminum)
Part # WE10:	WINS Eliminator to convert PM _{2.5} Sampler to PM ₁₀ FRM
Part # VSCCB:	PM _{2.5} Cyclone to convert PQ200 from a PM ₁₀ Sampler to PM _{2.5} FRM