

대용량 미세먼지 채취기 (PM2.5 High Volume Air Sampler-Plus Technology)



Model : PM2.5 HVPLUS

용 도(Applications)

- 대기 비산 먼지 채취 및 분석
- 납 등 대기 중 미량 중금속 시료 채취

특 징(Features)

- 정확한 측정을 위해 마이크로프로세서 제어
- 자동 유량 교정기 사용
- 자동 반복 타이머 기능
- 온도, 압력, 유량 및 모니터링과 기록
- PC없이 메모리카드로 데이터 검색 가능
- 원격 케이블 시스템으로 데이터 로거, 기타 외부 소스 통제 가능

SPECIFICATIONS

Reference	EPA 40 CRF Part 50
Flow rate	1.1 to 1.7m ³ /min (PM2.5 40CFM)
Filter media	Glass Fiber Filter 8" x 10" or Quartz
Flow control	Microprocessor Automatic Flow Control
Motor blower	2-stage vacuum 0.6 HP
Electronic recorder	Ambient temperature Barometric pressure Flow rate at minimum, maximum and average values Five minute intervals.
Programmable sample	Event timer with automatic repeat function
Mass flow controlled	Based on either volumetric EPA standardized (25°C, 760 mm Hg) flow rates User selectable
Automatic self calibration	Standard calibration orifice

Removable memory card	Calibration and sample event data SD Media Card
Calibration log records	64 calibrations
Power log records	64 power failures
Multiple-Resettable ETI	operating hours
Dimensions	1.2 x 0.6 x 0.5 m (sampler) 0.8 x 0.8 x 0.7 m (Inlet) 0.5 x 0.4 x 0.4 m (Lid)
Weight	34 kg (sampler) 25 kg (Inlet) 4 kg (Lid)
Assembled Space Requirement	61 cm square x 135 cm high (TSP)
Power Requirement	Single phase
Altitude Application	10,000 feet above sea level
Ambient Temperature Application	-30°C ~ + 50°C
Relative Humidity Application	0 - 100%
Flow Calibration	Automatic Method

CONFIGURATIONS

Microprocessor Based System	1 ea
Anodized Aluminum Shelter	1 ea
8" x 10" Stainless Steel Filter Holder	1 ea
Blower Motor Assembly	1 ea
Microprocessor controller	1 ea
Temperature Sensor	1 ea
Barometric Sensor	1 ea
Removable memory card	1 ea
Size selective inlet (<2.5 micron cut size)	1 ea

RECOMMENDED SPARE PARTS

Motor Brushes for 220V (2/set)	1 set
Glass Fiber Filter 8" x 10" for TSP (100/pk)	1 pk

OPTIONAL ACCESSORIES

Calibration kit w/calibration orifice	1 set
Micro Quartz filter 8"x10" (25/box)	1 box