

대용량 미세먼지 채취기 (PM10 High Volume Air Sampler-Plus Technology)



Model : PM10 PLUS

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
- PM10 ,TSP, PUF에 사용 가능

SPECIFICATIONS

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|----------------------|--|
| Reference | EPA 40 CRF Part 50 Appendix B |
| Flow rate | 1.1 to 1.7m ³ /min (PM10 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 |

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|---------------------------------|---|
| Removable memory card | Calibration and sample event data SD Media Card |
| Automatic self calibration | Standard calibration orifice |
| 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

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| 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 (<10 micron cut size) | 1 ea |

RECOMMENDED SPARE PARTS

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

OPTIONAL ACCESSORIES

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