

대기환경 모니터

(Ambient Air Monitors)

용도(Applications)

- 대기 및 실내의 미세먼지 모니터링
- 입경별 미세먼지, CO₂, VOC, 온습도 동시 측정

특징(Features)

- PM1, PM2.5, PM5, PM10 미세먼지 농도 측정
- 총 6채널의 입경별 개수 및 질량농도 측정 가능
- 중량법 분석을 위한 내부 필터 장착으로 보정가능
- 다양한 통신방법으로 원격모니터링에 최적화



Model : EM-10000

SPECIFICATIONS

Size Range	0.3 ~ 25 μm
Number of Channels	6 channels
Concentration Limit	15,000,000 Particles/ft ³ @ 10% coincidence loss (~6.5 mg/m ³)
Light Source	Long life laser diode
Count Modes	Cumulative/differential count/m ³ & count/ft ³ , and mass concentration (PM)
Calibration	NIST traceable
Vacuum Pump	Internal rotary vane vacuum pump - 2.83 LPM (0.1 CFM) Flow rate
Audible Alarm	Optional external Piezo 120 dB sounder
Communication Modes	Internal Ethernet and USB - Allows for variety of connectivity options
Optional Communication Modes	Wireless 802.11 b/g, RS485 or RS232, Ethernet Fiber Bridge, 4G Cellular
Environmental Sensor	Temperature and relative humidity probe: -20° ~ 50°C, $\pm 0.5^\circ\text{C}$ / 0 -100% $\pm 2\%\text{RH}$
NDIR CO ₂ (Option)	0-5000 ppm, resolution 1 ppm, accuracy $\pm 1\%$ FS, Response rate 20 seconds
TVOC PID (Option)	0-50 ppm/min. detection level 5 ppb, accuracy $\pm 1.5\%$, Response rate <3 seconds
Alarm	All particle values, environmental sensors, flow and sensor failure
User Calibration	Field Calibration of Temperature, Humidity, CO ₂ and TVOC
External Surface	ULTRAGUARD® Fiberglass reinforced polyester
Dimensions (L x W x H)	26.9 cm x 15.2 cm x 30.8cm includes barb fittings
Weight	5.6kg
Memory	Internal 45,000 sample records
Sample Time	1 second ~ 99 hours
Operating Conditions	-20° ~ 50°C / 20% ~ 95% non-condensing