

실내공기질 모니터 (Air Quality Monitor)

용도(Applications)

- 실내공기질 원격 모니터링
- 입경별 미세먼지, CO2, VOC, 온습도 동시 측정

특징(Features)

- PM1, PM2.5, PM5, PM10, CO2, VOC(5301-AQM2) 측정
- 총 6채널의 입경별 개수 및 질량농도 측정 가능
- 4.3인치 대화면 컬러 터치 스크린
- 다양한 통신방법으로 원격모니터링에 최적화



Model : 5301-AQM1
5301-AQM2

SPECIFICATIONS

Number of Channels	6
Size Range	0.3 ~ 25 μm
Size Channels	Factory calibrated at 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm
Particle Mass Indication	PM0.5, PM1.0, PM2.5, PM5.0, PM10 & TPM
Light Source	Long Life Laser Diode
Concentration Limit	4,000,000 Particles/ft ³ @ 5% coincidence loss
Counting Efficiency	50% @ 0.3 μm ; 100% for particles >0.45 μm per JIS
Count Modes	Automatic, manual, real-time meter, cumulative/differential, count or concentration
CO2	0-5000 ppm, resolution 1 ppm, accuracy $\pm 1\%$ FS, Response rate 20 seconds
VOCs(5302-AQM Only)	0-50 ppm/min. detection level 5 ppb, accuracy $\pm 1.5\%$, Response rate <3 seconds
Flow rates	2.83 L/min (0.1 CFM)
Vacuum Source	Internal vacuum pump
Display	4.3" (10.9 cm) WQVGA (480x272) color touch screen
Custom Size Channels	Calibration for custom size channels available
Communication Modes	Ethernet and USB, Optional(Wireless 802.11 b/g, RS485 or RS232)
Environmental Sensor(Optional)	Temperature 0° ~ 50°C, $\pm 0.5^\circ\text{C}$ relative humidity 15-90% $\pm 2\%$
Alarm	Counts for all particle sizes, sensor failure, environmental sensors and flow
Dimensions (L x W x H)	13.3cm x 5.8cm x 22.6cm. includes barb fittings / Stainless steel Surface
Weight	1.18 kg
Memory	45,000 sample records
Sample Time	1 second ~ 99 hours