

원격 파티클 카운터 (Remote Particle Counter)

용 도(Applications)

- 파티클의 원격 모니터링
- 입경별 개수 및 질량농도 모두 측정 가능

특 징(Features)

- 6채널 동시측정
- 배터리 내장으로 사용성 강화
- 채널별 입경의 사용자 설정 기능
- 4.3인치 대화면 컬러 터치 스크린
- 45,000개의 데이터 저장



Model : 7301 / 7501

SPECIFICATIONS

Model	7301	7501
Size Range	0.3 ~ 25 μm	0.5 ~ 25 μm
Counting Efficiency	50% @ 0.3 μm ; 100% for particles >0.45 μm per JIS	50% @ 0.5 μm ; 100% for particles >0.75 μm per JIS
Number of channels	6	
Size Channels	Factory calibrated at 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 μm	
Flow rates	2.83 L/min (0.1 CFM)	
Concentration Limit	4,000,000 Particles/ft ³ @ 5% coincidence loss	
Battery Run Time	>8 hours	
Battery Recharge Time	<2 hours	
Light Source	Long Life Laser Diode	
Zero Count	<1 count / 5 minutes (<2 particles / ft ³) (per ISO 21501-4 & JIS)	
Count Modes	Automatic, manual, real-time meter, cumulative/differential, mass concentration, count or concentration	
Count Alarms	1 ~ 9,999,999 counts	
Display	4.3" (10.9 cm) WQVGA (480×272) color touch screen	
Vacuum Source	Internal pump with automatic flow control	
Filtered Exhaust	Internal HEPA filter	
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	Includes, temperature 0° ~ 50°C, $\pm 0.5^\circ\text{C}$ relative humidity 15-90% $\pm 2\%$	
Alarm	Alarms on counts for all particle sizes, low battery, sensor failure, sensors and flow	
Dimensions	13.3cm x 10.5 cm x 21cm, includes barb fittings / Stainless steel Surface	
Weight	1.8 kg	
Memory	45,000 sample records, 50 user-configurable recipes	
Sample Locations	Up to 1,000 locations 20 characters long	
Sample Time	1 sec ~ 99 hours	