Low Volume Air Sampler

PM_{10} / $PM_{2.5}$ | Ambient / Indoor | 16.7LPM | PMS– 204

- Sampling for TSP, PM_{10}, $PM_{2.5}$
- Designed for U.S. EPA Reference Method for PM_{10} or $PM_{2.5}$
- Korea EPA Approval for $PM_{2.5}$ Standard Method. <No. APSC1 -2014-01>
- Highly accurate, reliable and mechanically simple system
- Touch type TFT-Color LCD allows clean picture at direct sun light
- Easily download data via USB port
- Very low operating cost and maintenance free
- Flow Accuracy ±1.5% through Automatic control
- Battery Pack (option; for 30h sampling)

Model : PMS - 204

Application	TSP, PM_{10}, $PM_{2.5}$,	Memory	4GB USB Memory (Recording Interval : 5min)
Method	Gravimetric	Display	- TFT-Color LCD 5.6" Touch screen
Sampling Time	0-999 Hours	Input Signals (optional)	Wind Speed, Wind Direction
Filters	1EA	Communication (optional)	RS232, TCP/IP
Filter Size	PTFE, Teflon, Quartz ϕ 47mm	Power	100 ~ 240 VAC, 50/60Hz (1kwh, 5A)
Flow Control	Mass Flow Meter With PWM	Weight / Dimension	18kg / 366mm x 465mm x 250mm
Flow Control Accuracy	±1.5% @16.7 LPM	Sound Level	<44dBA(~2m) / <28dBA(~8m)
Pump Pressure / Flow	800 mbar / 40 LPM	Language	English, Chinese, Korean
Operating Condition	-30 ~ 50℃	Report Contents(Excel)	Ambient Temp/RH/Pressure, Filter Temp/Pressure, Start/End time, Actual Flow rate & Accumulation, Average, Elapsed time, Events
Ambient Parameters	Temp: -30 ~ 50℃/ RH:0 ~ 100%RH / P:112 ~ 860 mmHg		

Particulate Monitor

PM_{10} / $PM_{2.5}$ | Ambient / Indoor | PMM- 304

- Real-time measurement of mass concentration of fine dust in air
- Real-time measurement of fugitive dust and site boundary fine dust
- Continuous monitoring of fine dust emission sites
- PM Total, PM_1, $PM_{2.5}$ or PM_{10} mass concentration can be measured
- 90 ° light scattering laser photometer method
- Real-time monitoring Wi-Fi data transmission
- Range: 0.001 to 400 mg/m^3
- Resolution: ± 0.1% of reading or 1 $\mu g/m^3$
- Zero-Calibration 15-minute cycle

Model : PMM - 304

Application	PM_{10}, $PM_{2.5}$, Simultaneous PM Total, PM_{10}, $PM_{2.5}$ and $PM_{1.0}$
Concentration Range	0-400mg/m^3 / 0-150mg/m^3
Resolution	±0.1% of reading or 1$\mu g/m^3$, whichever is greater
Zero Stability	±2$\mu g/m^3$ per 24 hours at 10 sec time constant
Sample Flow Rate	3.0L/min (±5% of factory set point, internal flow controlled)
Detection Method	Light scattering laser photometer; 90° off-axis detector
Gravimetric Sampling	Removable 37 mm cartridge
Operating Environment	-20° to 50° C with enclosure heater; 0 to 100% RH
Communications	Wireless: Cloud service capability via Netronix Thiamis 1000 Quad-Band 3G/GPRS Modem, including Wi-Fi and Bluetooth (Optional)