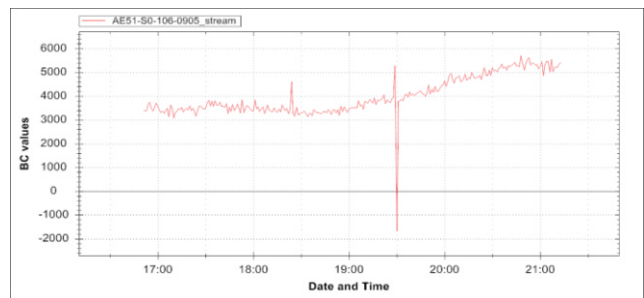


Passive, Aethalometer



Model : AE51

용도

Applications

- + Black carbon 측정
- + 도로변 노출 시험 및 Flux 연구에 활용 가능
- + 노출량 평가 및 조사에 사용

특징

Features

- + 장치의 조작과 휴대가 매우 간편함
- + 880nm의 단일 파장의 흡수율 측정
- + 0.001 μ g의 분해능으로 측정 가능
- + 내부 배터리로 24시간 이상 사용 가능

SPECIFICATIONS

Measurement Principle	Real-time Sample collection and analysis, Optical absorption
Optical Source	880 nm wavelength(IR) LED
Measurement Range	0-1 mg BC/m ³ for 15-min at 50m ³ /min
Measurement Resolution	0.001 μ g BC/m ³
Measurement Precision	\pm 0.100 μ g BC/m ³ BC/m, 1-min avg., 150m ³ /min flow rate
Measurement TimeBase	1 Sec, 1 min or 5 min
Flow Rate(User setting)	50 to 150m ³ /min
Data Storage	4 MB flash memory, providing up to 1 month data storage when operating on a 5 minute timebase, and more than 4 days when operating on a 1 minute timebase.
Communications	USB Connectivity to Windows-based PC or data stream via digital output through mini USB port.

Data Output	Stored flash are output to MicroAethCOM software and stored in.csvfile format. Quickview graphs are provided by MicroAethCOM
Consumables	Typical: one filter strip per sampling event
Filter Media	T60 Teflon-coated borosilicate glass fiber
Sample Spot Size	3 mm
Vacuum Pump	Internal 5 VDC with built in mass flow control
Dimensions(L×W×D)	117mm × 66mm × 38mm
Weight	0.25 kg
Power	Internal 3.6 V rechargeable lithium-ion batter
Power Supply Adapter	100-240 VAC(50/60 Hz) input, 5VDC/0.5A max output
Total Run Time(single battery charge)	24 hours@ 5 minute time base at 100mℓ/min
Operation Environment	0 to 40°C, non-condensing

CONFIGURATIONS

MicroAeth Model AE51	1 ea
1m Conductive Sample Tubing	1 ea
AC-Power Charging Adapter	1 ea
USB Charging/Interconnect Cable	1 ea
MicroAeth-COM Software	1 ea
Quick Start Guide and Operating Manual	1 ea

SPARE PARTS

Sample filter strips	1 set
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