

대기중 에어로졸 측정기 (sky-opc)

Aerosol Spectrometer for Atmospheric

장비관리번호	M2011-0225
취득일자	2011-09-23
제조회사	Grimm Aerosol Technik
모델명	1129 sky-OPC
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장비용도	· 대기중 미세먼지 입경별 개수 측정
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주요사항	<ul style="list-style-type: none"> · Principle: 90° light scattering · Particle concentration: 1 to 2,000,000 particles/litre · Dust mass: 0.1 to 100,000 µg/m³ · Reproducibility: 5 % over the whole range · Light source: Diode-Laser (λ = 683 nm, P = 40 mW) max · Measuring range: 0.25 µm to 32 µm in 31 size channels · Volume flow: 1.2 litre/minute, with external pump · volume controlled by critical orifice · Sampling time: 6 sec (normal), 1, 2, 3 sec (fast mode) · Data storage: intern 80 KByte, with storage card 6 MByte · Storage interval: 1 min to 1h selectable (1 sec online) · Interface: RS-232 Interface (USB or RS-232) · Power supply: 12 VDC, external · Temperature range: 0 to +40 °C (32 to 104 °F) · Humidity range: relative humidity < 95 % (non condensing) · Dimensions (LxWxH): Docking-Station 255 mm x 182 mm 72 mm · Spectrometer 250 mm x 160 mm x 60 mm · Complete: 255 mm x 182 mm 72 mm · Weight: Docking-Station: 1,315 kg (2.90 lb) · Spectrometer: 1.60 kg (3.54 lb) · Complete: 2,915 kg (6.44 lb) · Size channels: 0.25- 0.28- 0.3- 0.35- 0.4- 0.45- 0.5- 0.58- 0.65- 0.7- 0.8- 1- 1.3-1.6- 2- 2.5- 3- 3.5- 4- 5- 6.5- 7.5- 8.5- 10- 12.5- 15- 17.5- 20- 25- 30- 32 µm
구성품	· 단품
담당자	· 천민철 031-460-5771