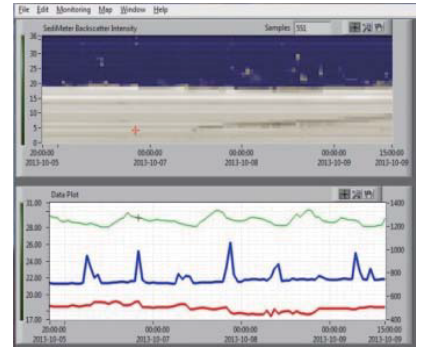
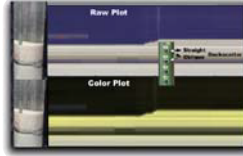
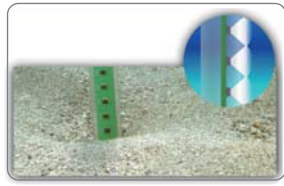


# 퇴적량 측정기 SediMeter



Model : SM3/SM4

## 용도 Applications

- 하천, 호수, 해양의 퇴적 및 침식 작용 연구
- 하상의 퇴적, 침식량 및 속도의 연속 측정
- 교량 세굴, 준설 및 매립 모니터링 등의 연구

## 특징 Features

- 36개의 적외선 센서로 0.1mm의 정밀 측정
- 탁도, 온도, 가속도 및 기울기 동시 측정
- 1초 ~ 24시간 저장주기 선택 가능

## 사양 Specifications

Model	SM3A	SM3B	SM4A	SM4B	SM4C
Sensor Cleaner	None	Mechanical	UV+Vibrator		
Length	700mm	760mm	730mm	740mm	740mm
Mass	140g	380g(w/o shuttle)	370g	370g	400g
Diameter(mm)	15	15, 20	15, 20	15, 20	15, 20, 25
Battery Duration	10440 (3 months)	17670 (1 year)	AAA (300mAh)	AA (900mAh)	17670 (1800mAh)
<b>Sensor / Data</b>					
OBS Array	945nm(NIR), 36 OBS detectors 1 cm apart measuring.				
Accelerometer	N/A		3-axis, $\pm 2g$ , 0.001g resolution		
Bottom Level	Resolution 0.01 mm, total range 35 cm,				
Turbidity Profile	35 cm range, 1 FTU~10,000 FTU, FBU and FNU				
Turbidity	Optical backscatter detector, units FBU (945 nm)		FNU (850 nm NIR, 90° scatter) NTU (white light, 90°scatter)		
Tilt, Acceleration	N/A				
Temperature	Resolution 0.01°C, accuracy $\pm 0.5^\circ C$ , time constant 100s				
Memory	16,384 measurements		32,768 measurements		
<b>Environmental</b>					
Depth / Temp	Pressure tested to 45 m / 0° C~50° C				