

Radon Detector



Model : E-PERM®

용도

Applications

- + 실내 및 지하 생활 공간 등의 라돈 가스 농도 장·단기 측정
- + 지하수 등에 용해되어 있는 라돈 농도도 측정 가능
- + 흙이나 건축 자재의 라돈 방사량 측정
- + 방사선 물질에서 나오는 라돈 농도 측정

특징

Features

- + 챔버 노출형으로 동시에 여러 지점 측정 가능
- + 장·단기용 일렉트렛으로 최소 1일에서 수개월까지 측정
- + 노출시킨 일렉트렛을 리더기로 농도 환산
- + 온·습도 및 기류에 영향없이 측정 가능
- + Thron 및 라돈 Flux 측정 가능

SPECIFICATIONS

Radon

E-PERM Type	Chamber Volume (ml)	Sensitivity pCi/L-days	Dynamic Range pCi/L-days
HST	960	2	50
HLT	960	24	600
SST	210	8	250
SLT	210	120	3,000
LST	58	60	1,500
LLT	58	680	17,000
DST*	9.8	580	14,400
DIT1	9.8	6,600	164,000
CST*	0.2	7,400	185,000
CLT*	0.2	85,200	2,130,000

Thoron

E-PERM Type	Chamber Volume (ml)	Sensitivity pCi/L-days	Dynamic Range pCi/L-days
ThoroSST	210	30	700
ThoroSLT	210	340	8000

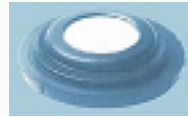
Radon Flux

E-PERM Type	Chamber Volume (ml)	Sensitivity in 8 hours
Flux HST	960	0.24 Flux Units
Flux HLT	960	2.40 Flux Units

Electret



Long-Term Electret



Short-Term Electret

Electrically-charged Teflon® disk Removable protective "keeper cap" Electrically conducting holder

Initial voltage 700 to 750 volts

Lowest useable voltage 200 volts

Voltage loss when stored: Short-Term: Loss than 4 volts per month

Long-Term: Loss than 4 volts per 4 month

Useable in all E-PERM® System chambers

CONFIGURATIONS

Short Term	SPER-1 Reader with Cable, Case and Desiccant	1 ea
	Set of Reference Electrets	1 ea
	6 Chambers	1 ea
	6 Shot Term Electrets	1 ea
	3 Tamper Resistant Twin Boxes	1 ea
	Nitrogen Accessories Cleaning Kit	1 ea
	WINSPER® Software	1 ea
	E-PERM® Users Proficiency Course on DVD	1 ea
	E-PERM® Operator's Manual	1 ea
	Quality Assurance Plan on CD	1 ea
Long Term	Package of 100 Lock Ties	1 ea
	10 Sheets of Tamper Indicating Tape	1 ea
	SPER-1 Reader with Cable, Case and Desiccant	1 ea
	Set of Reference Electrets	1 ea
	6 Chambers	1 ea
	6 Long Term Electrets	1 ea
	3 Tamper Resistant Twin Boxes	1 ea
	Nitrogen Accessories Cleaning Kit	1 ea
	WINSPER® Software	1 ea
	E-PERM® Users Proficiency Course on DVD	1 ea
E-PERM® Operator's Manual	1 ea	
Quality Assurance Plan on CD	1 ea	
Package of 100 Lock Ties	1 ea	
10 Sheets of Tamper Indicating Tape	1 ea	

OPTIONAL ACCESSORIES

Chambers	10 ea
Electrets	100 ea



- 1) S Chamber
- 2) H Chamber
- 3) L Chamber



S Chamber (210ml)



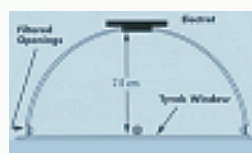
- 1) The SPER-1 Electret Reader
- 2) The SPER-2 Microprocessor Electret Reader



Radon in Water



NIST RADON CALIBRATION SYSTEM



Radon Flux