



Test Result Printout

RS500
Continuous Radon Monitor

Interval Report

Start Date (mm/dd/yyyy) 12/07/2001
Start Time (hh:mm) 09:15
Sensitivity F1 = 4.130
Measurement Time (Hours) 1

Average[Rn](pCi/l)=30.7

Tamper	Hour	[Rn] (pCi/l)	Alpha Count
	1	25.7	212
	2	32.9	483
	3	32.7	752
	4	36.5	1,053
	5	36.3	1,352
	6	32.9	1,624
	7	32.4	1,891
	8	31.0	2,146
	9	27.3	2,372
	10	26.1	2,587
	11	31.9	2,850
	12	31.0	3,106
	13	28.1	3,337
	14	28.6	3,573
	15	26.4	3,798

Conducted By:
Signature
Date
For:
Location

Repeated measurement interval

Average radon concentration over total measurement time

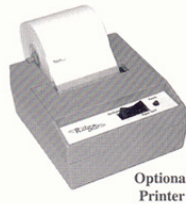
I (interrupt) represents physical tampering of instrument

Running measurement time in hours

Radon concentration averaged from the 8th to the 9th hour

Accumulated detector alpha particle count

User entry data



Optional Printer

RS500 Continuous Radon Monitor

Easy to Use

- *Minimal setup
- *Easy tripod attachment
- *Print test results on a stand-alone printer

Accurate and Reliable

- *Continuous measurement of radon gas - Provides hourly and average readings
- *AC power / battery operation - Unaffected by power surges or fluctuations
- *Measures accurately in a wide range of temperature and relative humidity

Tamper Resistant

- *Keyed operation
- *Keypad lockout
- *Instrument motion sensor

Durable

- *Silicon photodiode detector
- *No moving parts - No pumps or filters to maintain or replace
- *Annual calibration

Measurement	Radon gas concentration in picoCuries per liter of air (pCi/l)
Radiation detected	Alpha particles from radon and radon decay products
Sensitivity	0.075 alpha counts/minute (pCi/l)
Sampling mode	Passive air diffusion
Measurement interval	1 to 999 hours
Lower limit of detection	< 0.1 pCi/l
Maximum number of intervals	64
Continuous measurement range	1 hour to 2664 days
Physical dimensions	6.25 x 6.25 x 8.5 inches
Weight	3.5 lb.
Operating temperature & humidity	50° F to 100° F; 20 - 95% RH
Outputs	16 character LCD display, RS-232 to optional printer
Battery operation	Up to 3 Days continuous on 3 C-cell alkaline batteries
Power consumption for optional printer	17 Watts maximum, 9 VAC from 120 VAC step down transformer
Power consumption for RadStar RS500	0.3 Watts maximum 7-25 VDC from 120 VAC adapter or 3 C-cell alkaline batteries

