

# PORTABLE RADON DETECTOR COMPARISON

## SENSITIVITIES

		10 sec	45 sec	10 min	1 hour	24 hr
<b>ALPHA FAST CAM-5</b>		2.0E-09 uCi/ml	1.0E-09 uCi/ml	2.0E-10 uCi/ml	1.0E-10 uCi/ml	1.0E-11
Flow-volume	35 CFM	74 Bq/m <sup>3</sup>	37 Bq/m <sup>3</sup>	7.4 Bq/m <sup>3</sup>	3.7 Bq/m <sup>3</sup>	0.37
AC operated		2 pCi/l	1 pCi/l	0.2 pCi/l	0.1 pCi/l	0.01
		20 sec	2 min	10 min	1 hour	24 hr
<b>OVERHOFF RADON</b>		4.0E-08 uCi/ml	4.0E-09 uCi/ml	2.0E-09 uCi/ml	1.0E-09 uCi/ml	5.0E-11
Chamber volume	1 liter	1480 Bq/m <sup>3</sup>	148 Bq/m <sup>3</sup>	74 Bq/m <sup>3</sup>	37 Bq/m <sup>3</sup>	1.8
Battery life 24hr -rechargeable		40 pCi/l	4 pCi/l	2 pCi/l	1 pCi/l	0.05
Stable, precise						
		20 sec	1 min	10 min	1 hour	24 hr
<b>PTG-9RN</b>		1.0E-08 uCi/ml	4.0E-09 uCi/ml	3.0E-09 uCi/ml	1.0E-09 uCi/ml	5.0E-10
Chamber volume	1 liter	370 Bq/m <sup>3</sup>	148 Bq/m <sup>3</sup>	111 Bq/m <sup>3</sup>	37 Bq/m <sup>3</sup>	18.5
Battery life 20hr -rechargeable		10 pCi/l	4 pCi/l	3 pCi/l	1 pCi/l	0.5
		2.0E-08 uCi/ml	1.0E-08 uCi/ml	4.0E-09 uCi/ml	3.0E-09 uCi/ml	2.0E-09
Chamber volume	300 ml	740 Bq/m <sup>3</sup>	370 Bq/m <sup>3</sup>	148 Bq/m <sup>3</sup>	111 Bq/m <sup>3</sup>	74
Battery life 8 hrs -with pump		20 pCi/l	10 pCi/l	4 pCi/l	3 pCi/l	2
Battery life 20days --rechargeable, w/o pump						

NOTE: These instruments are available with optional serial or ethernet port and T-Acquire data analysis software which is an aid to data storage, and may achieve increased system sensitivity.

uCi/ml

Bq/m<sup>3</sup>

pCi/l

uCi/ml

Bq/m<sup>3</sup>

pCi/l

uCi/ml

Bq/m<sup>3</sup>

pCi/l

uCi/ml

Bq/m<sup>3</sup>

pCi/l