

E-PERM[®] SYSTEM FOR RADON TESTING

ELECTRET ION CHAMBER TECHNOLOGY Decision Maker Fact Sheet



E-PERM[®] is C-NRPP Listed

- E-PERM incorporates electret ion chamber technology.
- E-PERM is tested, accepted, listed by the NRPP, and is internationally recognized as the state-of-the-art technology in the radon measurement industry.
- E-PERMs have been popular for many years. In fact, 94% of all of the 1989 EPA RMP Round 6 E-PERM entries passed; more so than any other technology.

E-PERM's Performance is Unsurpassed

- System error is less than 8%.
- E-PERM is a true radon integrating method, able to accurately follow any variation in radon concentration with excellent precision.
- E-PERM is not affected by humidity or normal temperature variations.
- E-PERM is the most popular method for radon testing; new users are added every week.

The E-PERM System is Versatile

- The simplicity of operating the E-PERM System is unique to electret Ion-chamber technology.
- E-PERM performs both short-term and long term measurements. Ion chambers and measurement equipment perform identically in either case. By selecting the appropriate ion chamber and electret type, E-PERM detectors can be deployed from two to 365 days as shown in the table.

		ION CHAMBER TYPE			
		H	S	L	L-OO
ELECTRET TYPE	ST	 2 Days	 2 – 10	 10 – 90	 10 – 90
	LT	 4 – 14	 14 – 90	 90 – 365	 90 – 365

- Measurement results can be determined in the field, on-site.
- E-PERM can provide accurate screening measurements within two days. The length of exposure is not limited; the longer the exposure, the better the representation of radon levels over time.
- School personnel can be trained to assist in testing the facilities or in developing programs to perform the entire testing activity with an in-house E-PERM System. E-PERM is the only technology to offer the options of partial or complete in-house measurement capabilities.

E-PERM is Cost Competitive

- The measurement costs will vary with the number of tests, which are a function of the test duration and radon level. E-PERM costs less per measurement than any of the competing methods.
- **E-PERM is more than competitive because of its accuracy and efficiency.**
- There are many excellent radon measurement and engineering firms who specify E-PERM as their choice for accurate, cost-effective surveys.
- E-PERM is specified in many competitive tenders throughout the world.

