radonova

The global leader in radon measurement

Rapidos®

Rapidos® is an alpha track detector which can be used for short-term radon measurements between 10 and 30 days. With a wide range of applications, the Rapidos® can be used for dwelling, workplace, or highly sensitive environmental measurements. The exceptionally large range of this detector allows measurements of radon levels as low as 1 pCi/l and as high as 2,800 pCi/l.

Technical Specifications	
Detector Application	Dwellings / Workplaces
Measurement Range (pCi/l)	1 - 2,800 at 10 days
Measurement Range (pCi*days/l)	10 - 28,000
Normal Exposure Duration	10 - 30
Uncertainty (%)	10% at 50 pCi*days/l (10 days at 5 pCi/l)
Basis of Uncertainty	1 sd
Detector Sensitivity ((tracks/cm2)/(pCi*days/l))	4
Typical Background (pCi*days/l)	4
Std. Deviation on Background (pCi*days/l)	1
Diameter (mm)	58 (63.5 with hanger)
Height (mm)	40 (43 with clip)
Holder Type	Closed, with filter
Holder Design	Rapidos own, black
Holder Antistatic Measures	Conducting Holder
Detector Material	CR39 / PADC

Alpha track detectors for short-term measurements

- The greater air volume of this detector doubles the detection speed to provide improved statistics for short-term measurements
- Alpha Track technique
- Detector consists of film elements inside pods made from anti-static plastic
- Radon enters the detector by diffusion
- Analysis is performed using state of the art image scanner
- Exposure results are expressed in pCi/l

Radonova offers advanced measurement and consulting services in the field of ionizing radiation. Using our ISO 17025 accredited system we establish the correct management and technical requirements to achieve accurate results for our customers. Our measurement service, which for example includes Radtrak^{2}®, Rapidos® and Duotrak® detectors, is available globally and can be applied to dwellings, multifamily homes, workplaces, mines, institutions and wherever radon gas poses a health threat.

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