

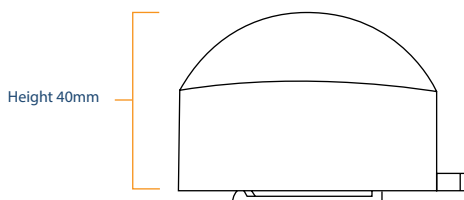


Alpha track detector for short-term measurements

- Greater air volume doubles the detection speed to provide an improved statistic for short-term measurement
- Detector employs alpha track technique
- Detector consists of film elements inside cups made from anti-static plastic
- Radon enters detector by diffusion
- Detector analysis is performed using state-of-the-art image scanner
- Exposure results are expressed in pCi/l

Technical Specifications

Detector	Dwellings/Workplaces
Measurement Range (pCi/l)	1 - 2,800 at 10 days
Measurement Range (pCi*days/l)	10 - 28,000
Normal Exposure Duration (days)	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
Standard 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



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LANDAUER is a pioneer in radon detection, having manufactured and analyzed alpha track detectors for more than 30 years. Our devices are used globally by a broad spectrum of users including scientifically astute, industry-leading practitioners. LANDAUER'S measurement methods are accredited by SWEDAC (Swedish Board of Accreditation and Conformity Assessment) to the ISO17025 standard using the measurement protocols of the EPA (Environmental Protection Agency), HPA (Health Protection Agency, UK) and SSM (Swedish Radiation Protection Institute. LANDAUER'S radon laboratory is accredited by NRPP (National Radon Proficiency Program) and C-NRPP (Canadian National Radon Proficiency Program), .