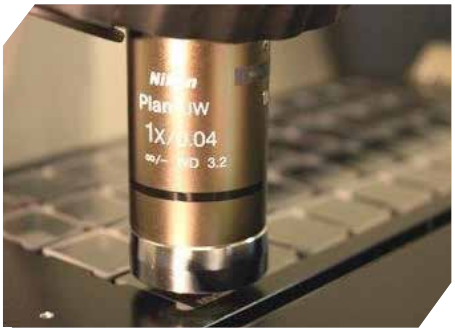
LANDAUER®

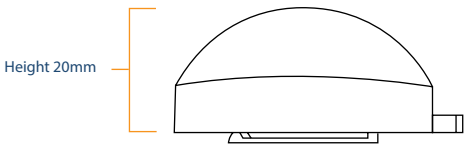
Radtrak2

Alpha Track Detector



Alpha track detector for long-term measurements

- A reliable detector for all your measurement needs
- An exceptionally large range allows radon levels to measured from as low as 0.4 pCi/l to as high as 650 pCi/l during a three month period
- 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 and as Dosimeter
Measurement Range (pCi/l)	0.4 - 650 at three months
Measurement Range (pCi*days/l)	35 - 55,000
Normal Exposure Duration (days)	90 - 365
Uncertainty (%)	6% at450 pCi*days/l (3 months at 5 pCi/l)
Basis of Uncertainty	1 sd
Detector Sensitivity ({tracks/cm2} / {pCi*days/l})	2
Typical Background (pCi*/days/l)	17
Standard Deviation on Background (pCi*days/l)	4
Diameter (mm)	58 (63.5 with hanger)
Height (mm)	20 (23 with clip)
Holder Type	Closed, with filter
Holder Design	NRPB/SSI (black)
Holder Antistatic Measures	Conducting holder
Detector Material	CR39/PADC

LANDAUER®
The global leader in radiation science and services

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), .

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