

# AlphaGUARD

## Professional Radon monitor

AlphaGUARD is a portable equipment designed for instantaneous or continuous measurement of radon gas activity (Rn-222).

AlphaGUARD is used for the measurement of Radon in laboratory and also for complementary investigations in buildings.

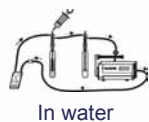
Supplemented by a great range of accessories for measurement of various types (air, water, soil) and thanks to DataEXPERT software (data analysis and storage software), AlphaGUARD is used as a reference for laboratory and field expertise.

### Technical characteristics

- Measurement via Alpha spectrometry (sensitivity 5 cpm for 100 Bq/m<sup>3</sup>)
- Measurement by ionisation chamber with tri-dimensional spectrum analysis
- Batteries or main power supply
- RS 232 output

	P30D	P30F	PQ2000 Pro
Measurable radon concentration	2 to 30 000 Bq/m <sup>3</sup>		2 to 2 000 000 Bq/m <sup>3</sup>
Diffusion mode by cycles of 10 to 60 minutes	Diffusion mode by cycle of 10 or 60 minutes	Flow mode by cycle of 10 or 60 minutes	Diffusion mode by cycle of 10 or 60 minutes + flow mode from 1 à 10 minutes
Memory capacity	≈ 20 days with cycle of 10 mn ≈ 30 days at 60 mn	≈ 20 days with cycle of 10 mn ≈ 30 days at 60 mn	≈ 3 days at 1 mn ≈ 30 days at 10 mn ≈ 180 days at 60 mn
Autonomy	10 days on battery (possibility to add additional battery)		
Weight	4,5 kg		
Dimensions	175x615x120 mm		
Sensors	Temperature		
	Atmospheric pressure		
	Humidity		
Conditions of use			
Temperature	From -10 to +50 °C		
Atmospheric pressure	700 to 1100 mbar		
Humidity	0 to 99 %		

Type of measurement



- World reference device for radon measurement
- Calibration guaranteed 5 years
- 10 days autonomy (40 days - option)
- High degree of accuracy
- Robustness



Measure in the ground

#### References:

- In France: IRSN (Institute of Radioprotection and Nuclear Safety), CEA, D.D.A.S.S., CRIIRAD...
- Worldwide: Environment Protection Agency (USA), Health Minister (Russia), Institute of Protection against radiations (Sweden)...