

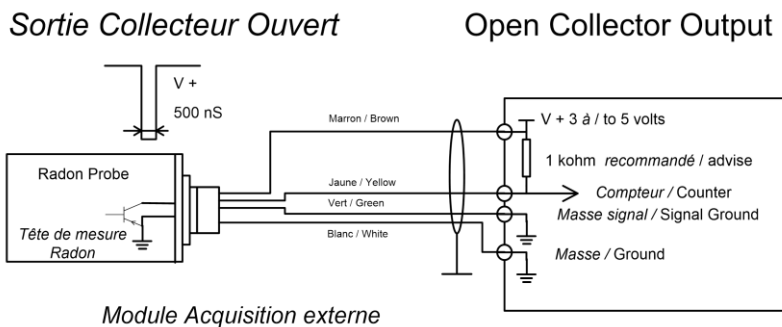
TO OPTIMISE YOUR MEASURING SITE BY ADDITION OF A RADON CHANNEL.



## Applications :

- Measurement of radon in the ground,
- Earthquake predictions,
- Geophysical studies,
- Prediction of volcanic eruptions.

## Principle :



The radon mobile head uses the measuring principle of the BARASOL MC probe from which it is derived. It includes a detector with 400mm<sup>2</sup> of sensitive surface, a load preamplifier and a measuring window set to generate a pulse if the energy of the particles detected is between 1.5MeV and 6MeV.

Generated pulses are to be counted by a data acquisition device.

An annual calibration is advised.



## Specifications :

**Operating temperature:** -20°C à +50 °C.

### Dimensions :

Height : 360 mm.  
Diameter : 62 mm.  
Weight : 1.5 kg.

### Sensitivity of measurement :

50 Bq.m<sup>-3</sup> per imp.h<sup>-1</sup> (typical value)

### Power supply :

Sensor with external power supply : 3 to 5 Volts 1 mA.

### Casing :

Casing made of fibreglass and corrosion-resistant stainless steel.  
Grab handle.  
Protection index: IP 68.  
4 points water proof connector.  
Valve for pressure test.

### Available output :

Open collector  
V+ / 0 V on event.  
V+ from 3 to 5 Volts  
Recommended resistor = 1kOhm.

### Cable :

4 wires with shield  
Length : 5m as standard  
Upon request, 40 m. maximum.

### Implementation :

<input type="checkbox"/>	Conn. # 1	Ground :	White
<input type="checkbox"/>	Conn. # 2	Power supply :	Brown
<input type="checkbox"/>	Conn. # 3	Ground :	Green
<input type="checkbox"/>	Conn. # 4	Output :	Yellow



For more information to contact us.

## ALGADE INSTRUMENTATION