

Instructions for soil air measurement on building sites – TYP SAD (measuring time: 10 – 20 days)

1. Address

Name _____ First name _____

or company/institution _____

Person responsible for measurement _____

Street + No.: _____

Postcode: _____ City: _____ State: _____

Tel: _____ E-Mail: _____

2. Address of the property

Name: _____

Street + No.: _____ Plot No.: _____

Postcode: _____ City: _____ Country: _____

Measuring instructions:

The measuring device must be used no later than three months after receipt.

For area-wide measurements, e.g. for soil investigations within the framework of development plans, a grid of measuring points is to be created, whereby the distance between the individual measuring points should be about 10 m.

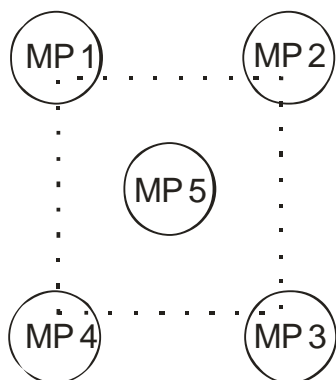
For home building sites, arrange the measuring instruments as shown in the figure below, i.e. four corners of the house and the centre.

Attention: boreholes of ram core soundings which are deeper than 1 meter are not suitable for radon soil air measurement with our exposimeters. See also DIN ISO 11665-11 (*Determination of radioactivity in the environment - air: Radon-222 - part 11: Methods for sampling and testing soil vapour*)

1. Open the radon-proof protective packaging, keep the packaging for the return shipment.
2. Drill a borehole at least 0.8 m (ideally approx. 1 m) deep using an earth borer or pile-driving core probe. If a pipe is used as a support, it must be perforated or slit in the lower area. Lower the measuring device on a string and close the hole with a suitable plug. Mark the spot with a stick.
3. Enter the start time in the section.
4. After approx. 1-3 weeks measuring time: carefully pull the measuring device out of the drill hole by the string, put it into the above mentioned protective packaging and close it with adhesive tape. Send it back to the laboratory together with the completely filled out section for evaluation.

Alternative: Make a hole in the ground approx. 8-20 cm wide and 80-100 cm deep (e.g. with a handheld earth drill or a hole spade). Fix the measuring device inside a suitable protective housing (e.g. toothbrush cup). Lower the prepared cup with the opening facing downwards into the hole to the above-mentioned target depth. By carefully pouring the earth onto the protective housing, the hole is filled again (only press down lightly!). Alternatively the measuring device can be lowered on a string according to point 2. After approx. 1-3 weeks measuring time, carefully dig out the measuring device, put it into the above mentioned protective packaging and close it with adhesive tape. Send it back to the laboratory together with the completely filled out section.

Please enter NORTH and measuring instrument numbers:



Measuring point 1: No. _____
Measuring point 2: No. _____
Measuring point 3: No. _____
Measuring point 4: No. _____
Measuring point 5: No. _____

Measurement:

Start date: _____ Time: _____

End date: _____ Time: _____

Measurement in the depth of _____ m

Type of soil examined (gravel, sand, loam, clay, etc.): _____

Soil humidity: dry medium wet

Note on data protection:

The data collected here will only be used to process this test order. The data and test results will not be published or passed on to third parties.

Declaration:

With my signature I confirm that I have followed the measuring instructions and that the information I have given is correct.

Date

Signature



RETURN

Please send the passive exposimeters to our ALTRAC test laboratory:
ALTRAC | RadonTec GmbH
Mr. Thomas Klöpzig
Böhrigen
Straße der Einheit 17
09661 STRIEGISTAL
GERMANY