

Smart Radon Sensor :: Monitor for building automation systems

SARAD's outstanding detector technology defines a new level of radon monitoring in buildings and at workplaces as requested by the recently introduced EU radiation protection regulations.

The *Smart Radon Sensor* offers a very high sensitivity in a very small and shapely housing. Due to the detector technology, the instrument will not be affected by any variations of temperature and humidity, external radiation, mechanical shocks and vibrations.

Various interfaces for system integration are available. The RS-485 fieldbus interface can be operated either with the MODBUS RTU (industrial standard) or the proprietary SARAD protocol. The analogous output makes it easy to connect the *Smart Radon Sensor* to existing PLC's.

A stand-alone ventilation control system can be easily realized by the alert switch output.

For easy installation, all connections are available through a screw terminal.

If no data line is available, the optionally integrated ZigBee wireless interface can be used for connection to a host system.

The wide range power input accepts all in building automation commonly used voltage supplies. The measurement starts as soon as the power is connected. Two AAA batteries are integrated to continue the measurement in case of power interruptions.

All measurement results will be stored locally in a non-volatile circular memory.

Sensors for temperature and humidity are integrated as standard whilst CO₂ and barometric pressure measurement are optional.

We use only high quality and instrument grade components for this product which is manufactured in our company's site in Dresden/Germany.

The instrument comes with a DAkkS compliant calibration certificate. The calibration process fulfills the requirements of the DIN EN ISO/IEC 17025:2018.

Standard version: [Buy](#)

With CO₂ sensor: [Buy](#)

With pressure sensor: [Buy](#)



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DIN ISO 9001 Certified