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Stay safe with unique measurement instruments.



Precise radiation protection for nuclear medicine and industry

SARAD GmbH is your reliable partner for high-precision radon and aerosol monitors for measuring alpha-emitting radioactive nuclides such as Ac-225, Th-227, Ra-223, Rn-219, Rn-220 and At-211* in the air. Our innovative monitoring systems protect the health of your employees and patients and ensure compliance with legal radiation protection regulations.

With SARAD you can trust in the highest quality, reliability, and accuracy of our products and services.

SARAD GmbH
Wiesbadener Straße 10
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| | RTM 2300 | Aer 5000-XFG | Aer 5400-XFG |
|--------------------|--|---|--|
| Application | Measurement of Rn ²²⁰ and Rn ²²² | Measurement of Ac ²²⁵ , Th ²²⁷ , Ra ²²³ , Rn ²¹⁹ and *At ²¹¹ | Messung von Ac ²²⁵ , Th ²²⁷ , Ra ²²³ , Rn ²¹⁹ und *At ²¹¹ |
| Version | Mobile | Desktop | Mobile* or wall-mounted |
| Detector | 4x 200mm ² Si detector with HV chambers | 1200mm ² ion implanted Si semiconductor detector | 1200mm ² ion implanted Si semiconductor detector |
| Measuring range | 0-10.000.000 Bq/m ³ | 0-35.000 Bqh/m ³ | 0-10.000 Bqh/m ³ |
| Radon compensation | | yes, dynamic | yes, dynamic |
| Pump | High-quality, low-noise diaphragm pump | High-quality, low-noise diaphragm pump | High-quality, low-noise rotary vane pump with special filter for clean rooms** |
| Flow rate | 0.4-2.5l/min adjustable, regulated | 8l/min adjustable, regulated | 20-50l/min adjustable, regulated |
| Data storage | SD Card, 2GB | SD Card, 2GB | SD Card, 2GB |
| Display | Color display, 6x9cm | Touchscreen, 6x9cm | Touchscreen, 6x9cm |
| Interfaces | USB, RS232, 2x analog, 2x RS485 (1x Modbus RTU), 2x AUX for external sensors | USB, RS232, RS485 optional | USB, RS232, RS422/RS485 |
| Dimensions | 235mm x 140mm x 255mm, 6kg | 308mm x 308mm x 175mm, 8kg | 540mm x 360mm x 200mm, 18kg*** |
| Ambient conditions | 0...40°C 0...95% rH 800...1100mbar | 0...50°C 5...95% rH 800...1100mbar | 0...50°C 5...95% rH 800...1100mbar |
| Software | dVision, dConfig | dVision, dConfig | dVision, dConfig |

* with trolley, pump and frequency converter as optional accessories

** for version with pump

*** for wall mounting version without pump

