RADON DOESN'T WARN YOU
YOUR INSTRUMENT SHOULD!

High-precision radon monitoring technology from SARAD GmbH — engineered and manufactured in Dresden, Germany.

RTM 2300

RTM 2300 Ultra

RTM 1688-2

Advanced Radon Monitoring Solutions

Accurate radon measurement requires high sensitivity, stable long-term performance, and reliable instrumentation.
SARAD develops professional radon monitoring systems designed for demanding applications where precise and reproducible measurement data are essential.
With more than 30 years of expertise in radon detection technology, SARAD instruments are trusted worldwide by radiation protection specialists, environmental scientists, and research institutions.

Applications:

- Occupational and radiation protection
- Indoor and long-term monitoring
- Building diagnostics and remediation projects
- Environmental and geoscience investigations
- Research and development
- Continuous monitoring in industrial environments

Key features:

- High sensitivity and fast response times
- Advanced detection methods (Radon / Thoron – model dependent)
- Continuous measurement with integrated data logging
- Professional communication interfaces
- Robust design for reliable long-term operation
- Precision engineering — Made in Germany
- In-house DAkkS-accredited calibration laboratory

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Fax.: +49 351 6580718
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	RTM 2300	RTM 2300 ULTRA	RTM 2300 Soil Gas	RTM 1688-2
Applictions	labs / field Radon-in-Water Radon-in-Soil gas Radon-in-Air Exhalation Emmanation Flux Gases Meteorological paremeters, etc. Autonomus measurement stations			labs / field Radon-in-Water Radon-in-Soil gas Radon-in-Air Exhalation Emmanation "Sniffing" Autonomus measurement stations
Measurement of	Rn/Th gas			Rn/Th gas
Measurement range (Rn/Th gas), Bq/m³	1 - 10 000 000			1 - 10 000 000
Sensitivity (Rn/Th gas), cpm/ 1 kBq/m³ (fast/slow)	4.2 / 8.5			3 / 6.5
Measurement range (Rn gas), Bq/m³ (diffusion)	-	1 - 1 000 000	*	-
Sensitivity (Rn gas), cpm/ 1 kBq/m³ (TOTAL)	-	31	*	-
Measurement accuracy	<= 2.5%			<= 5%
Measurement intervall	1 sec up to weeks			1 - 255 min (1 min step)
Sampling method	Pump, built-in	Pump, built-in + diffusion	Pump, built-in	Pump, built-in
Air flow rate, l/min	0.5, regulated		0.5 / 1.5, regulated	0.3
Display	4.7" Color Touch-Screen			3 x 16 characters with back-light
Display Language	DE, EN (IT, FR, RU on request)			EN
Power supply	13,6 V NiMH rechargeable battery, Plug-in power supply 100-240 VAC ~50/60 Hz, 18 VDC / 1.8 A			Internal battery (12 V)
Life-time between charging, hrs**	> 72			> 160
Alert threshold setting	manually* (display), dConfig SW			manually, Radon Vision SW
Alert Indication	LED			yes
Communication interface	1: USB, RS232, RS485B 2: RS485A/ModBus RTU, WLAN (Option) 2 analog outputs, assignable to any measure value and measurement range			RS232, USB, RS485 ModBus RTU
Memory, records (incl. spectrum)	32 GB SD, > 1 Mio			2047 records
Software	dVision/dConfig (SARAD) (Win)			Radon Vision (SARAD) (Win)
Wireless interface	on request, ARANEA LTE incl. SIM (500 Mb)			on request, ARANEA LTE incl. SIM (500 Mb)
Environmental conditions: **Temperature, °C** **rel. Humidity, %** **Bar. Pressure, hPa**	0 - 40 0 - 95, non-condensing 800 - 1100			0 - 40 0 - 95, non-condensing 800 - 1100
Weight, kg (incl. batteries)	6			3,5
DAkkS accredited calibration DIN EN ISO/IEC 17025:2018	yes, incl. for Radon gas			yes, incl. for Radon gas

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RADON AND ITS PROGENY DETERMINE THE RISK MEASURE BOTH WITH CONFIDENCE

Advanced radon and radon progeny monitoring technology from SARAD GmbH — engineered and manufactured in Dresden, Germany.

EQF 3300

EQF 3320

RPM 2300

Advanced Monitoring Solutions for Radon and Radon Progeny

Accurate radon measurement requires high sensitivity, stable long-term performance, and reliable instrumentation.
SARAD develops professional radon monitoring systems designed for demanding applications where precise and reproducible measurement data are essential.
With more than 30 years of expertise in radon detection technology, SARAD instruments are trusted worldwide by radiation protection specialists, environmental scientists, and research institutions.

Applications:

- Occupational and radiation protection
- Radon workplace investigations
- Indoor and long-term monitoring
- Environmental and geoscience studies
- Building diagnostics and remediation projects
- Scientific and epidemiological research
- Continuous monitoring in industrial environments

Key features:

- High-sensitivity radon monitoring with fast response times
- Direct measurement of radon progeny activity
- Determination of PAEC (Potential Alpha Energy Concentration)
- Measurement of attached and unattached progeny fractions (model dependent)
- Continuous monitoring with integrated data logging
- High time resolution for exposure analysis
- Robust design for reliable long-term operation
- Precision engineering — Made in Germany
- In-house DAkkS-accredited calibration laboratory for Radon activity concentration

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	EQF 3300	EQF 3300 ULTRA	EQF 3320	RPM 2300
Applictions	labs / field Radon gas Radon progeny Radon-in-Water Radon-in-Soil gas Radon-in-Air Exhalation Emmanation Flux Gases Meteorological paremeters, etc. Autonomus measurement stations	labs / field Radon gas Radon progeny Radon-in-Water Radon-in-Soil gas Radon-in-Air Exhalation Emmanation Flux Gases Meteorological paremeters, etc. Autonomus measurement stations	labs / field Radon progeny (attached/unattached) Radon-in-Water Radon-in-Soil gas Radon-in-Air Exhalation Emmanation Flux Gases Meteorological paremeters, etc. Autonomus measurement stations	labs / field Radon progeny Gases Meteorological paremeters, etc. Autonomus measurement stations
Measurement of	Rn/Th gas & PROGENY (EEC)			PROGENY (EEC)
Measurement range (Rn/Th gas), Bq/m³	1 - 10 000 000			-
Sensitivity (Rn gas), cpm/ 1 kBq/m³ (fast/slow)	4.2 / 8.5			-
Measurement range (Rn gas), Bq/m³ (diffusion)	-	1 - 1 000 000	-	-
Sensitivity (Rn gas), cpm/ 1 kBq/m³ (TOTAL)	-	31	-	-
Measurement range (Rn/Th progeny products), Bq/m³	1 - 100 000			
Sensitivity (Rn progeny), cpm/ 1 kBq/m³ (fast/slow)	1 800	1 800	1 800	1 800
Measurement accuracy	<= 2.5%			<= 5%
Sampling method	Pump, built-in	Pump, built-in + diffusion	Pump, built-in	
Air flow rate, l/min	0.5 / 1.5, regulated			1.5, regulated
Display	4.7" Color Touch-Screen			
Power supply	13,6 V NiMH rechargeable battery, Plug-in power supply 100-240 VAC ~50/60 Hz, 18 VDC / 1.8 A			
Life-time between charging, hrs**	> 30			
Alert threshold setting	manually* (display), dConfig SW			
Communication interface	1: USB, RS232, RS485B 2: RS485A/ModBus RTU, WLAN (Option) 2 analog outputs, assignable to any measure value and measurement range			
Software	dVision/dConfig (SARAD) (Win)			
Wireless interface	on request, ARANEA LTE incl. SIM (500 Mb)			
Environmental conditions: **Temperature, °C** **rel. Humidity, %** **Bar. Pressure, hPa**	0 - 40 0 - 95, non-condensing 800 - 1100			
Weight, kg (incl. batteries)	6			
DAkkS accredited calibration DIN EN ISO/IEC 17025:2018	yes, incl. for Radon gas			

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