

Selection Guide (Technical Data) - Radon Instruments

	DOSEman	Radon-Scout	Radon-Scout PLUS	Radon-Scout PMT	RTM1688-2	Indoor Air Sensor	Soil Gas Probe with Analogous Radon Sensor	RTM2200
Principal of operation	HV chamber & silicon detector	HV chamber & silicon detector	HV chamber & silicon detector	Lucas cell with photomultiplier	HV chamber & silicon detector	HV chamber & silicon detector	HV chamber & silicon detector	HV chamber & silicon detector
Sampling	diffusion	diffusion	diffusion	diffusion/pump	pump	diffusion (pump option)	diffusion	pump
Sensitivity fast/slow [cpm/(kBq/m ³)]	0.18/0.32	1.8	1.8	12/20/20 (various cells)	3/7	3/7	1.8	3/7
Alpha Spectroscopy	●	-	-	-	●	●	●	●
Response fast/slow (95%) [min]	15/120	-/120	-/120	-/120	15/120	15/120	15/120	15/120
Pump rate [lpm]	-	-	-	0.15	0.3	0.3 (Option)	-	0.3 to 0.75
Battery operation [days]	12	100	90	-	14	-	-	2
Mains power	-	-	●	●	●	●	●	●
Sample interval [min]	1..255	60/180	1..255	1..255	1..255	1..255	1..255	1 to 2 ³² s
Stored data records	720	670	2047	2047	511	344	344	1 300 000
Number of measurement series	1	unlimited	unlimited	unlimited	unlimited	1	1	unlimited
Stored alpha spectrum	sum	-	-	-	per record	sum	sum	per record
Display lines x characters	3 x 12	-	3 x 16	3 x 16	3 x 16	-	-	Graphic
Display back-light	-	-	●	●	●	-	-	●
Communication interface	infrared	RS232/USB	RS232/USB	RS232	RS232/USB	RS232	RS232	RS232/USB
Modem connectivity	-	●	●	●	●	-	-	●
Temperature sensor	-	●	●	●	●	●	●	●
Humidity sensor	-	●	●	●	●	●	●	●
Pressure sensor	-	-	●	●	●	-	-	●
Air flow sensor	-	-	-	-	-	-	-	●
Tamper detector	-	●	●	-	●	-	-	-
Alarm function	●	-	-	-	●	●	●	●
Analogous inputs (for add. sensors)	-	-	-	-	-	-	-	8 x config.
Analogous outputs	-	-	-	-	-	2 x 0..1V/0..20mA	2 x 0..1V/0..20mA	several
Digital pulse output	-	-	-	Option	-	●	●	several
Set-up functions by	software	software	software	software	software	software	software	touchscreen /software
Software	Radon Vision	Radon Vision	Radon Vision	Radon Vision	Radon Vision	Radon Vision	Radon Vision	dCONFIG, dVISION

● available

- not available