







SunRADON

SunRADON Continuous Radon Monitors Comparison

		Model 1028™ XP	Model 1030™	Model 1028™	Model 1027™
					
Radon Detection	Classification	Active Continuous Radon Monitor	Active Continuous Radon Monitor	Active Continuous Radon Monitor	Active Continuous Radon Monitor
	Type	Solid State Photodiode Detector	Solid State Photodiode Detector	Solid State Photodiode Detector	Solid State Photodiode Detector
	Detector Design	Passive Airflow Diffusion	Passive Airflow Diffusion	Passive Airflow Diffusion	Passive Airflow Diffusion
	Chamber #	1	6	1	1
	Range	0.1 - 9999 pCi/L	0.1 - 9999 pCi/L	0.1 - 999 pCi/L	0.1 - 999 pCi/L
	Nominal Sensitivity	2.7 cph per pCi/L	15 cph per pCi/L	2.7 cph per pCi/L	2.7 cph per pCi/L
	Background Typical	0.2 pCi/L	0.2 pCi/L	0.2 pCi/L	0.2 pCi/L
	Background Max	0.5 pCi/L	0.5 pCi/L	0.5 pCi/L	0.5 pCi/L
Uncertainty (1 day, 1 sigma)*	7%	3%	7%	7%	
Test Setup	Measurement Units	pCi/L or Bq/m ³	pCi/L or Bq/m ³	pCi/L or Bq/m ³	pCi/L
	Data Point Storage Capacity	10,000	1,650	720	90
	Test Storage Capacity	10	2	1	1
	Duration	1h - until memory full	1h - until memory full	1h - until memory full	1h - 90h
	Delay	0 - 48 hours	0 - 48 hours	0 - 48 hours	no
	Interval	1 - 12 hours	0.5 - 24 hours	1 - 24 hours	1h
	Auto-Power Off	15 - 60 min	-	-	-
Sensors	Temp/Humidity/Pressure	Optional (release expected Summer 2019)	Yes	-	-
	VOC/CO2	Optional (release expected Summer 2019)	-	-	-
	Motion Sensor	Yes	Yes	Yes	Yes
Operating Range	Temperature	45 - 95 F	45 - 95 F	45 - 95 F	45 - 95 F
	Rel Humidity (non condensing)	10 - 90%	20 - 90%	20 - 80%	20 - 80%
OneRADON™ Software Compatibility	Win	✓	✓	✓	✓
	MacOS	✓	✓	✓	✓
	iOS	✓	✓	✓	✓
	Android	✓	✓	✓	✓
	Cloud	✓	✓	✓	✓
Communication	Mobile	Bluetooth	Air Console/USB	Air Console/USB	Air Console/USB
	Desktop	USB	USB	USB	RS232 -USB Adapter
	Cellular Wireless	Optional (release expected Summer 2019)	-	-	-
Approvals	US NRPP	Yes	Yes	Yes	Yes
	CA C-NRPP	Yes	Yes	Yes	Yes
	NRSB	Pending	Yes	Yes	Yes
	Calibration Certificate	Yes	Yes	Yes	Yes
General	Dimension	7.5" x 4.8" x 2.9"	5.5" x 4.4" x 9.6"	4.6" x 3.9" x 8.2"	2.5" x 4.7" x 8"
	Weight	1.36 lbs	3.75 lbs	3.0 lbs	2.0 lbs
	Power Supply	AC-USB, 5VDC, 100-240V	AC-USB, 5VDC, 100-240V	AC-USB, 5VDC, 100-240V	AC-DC, 18VDC, 100-240
	Battery Type	(4) AA Battery	(4) C Battery	(1) 9V Battery	(1) 9V Battery
	Battery Life	300h	300h	100h	20h
	Display	2.8" Color TFT	Monochrome LCD Line	Monochrome LCD Line	LED
	Controls	Resistive Touchscreen	Membrane Switch	Membrane Switch	Push Button
	Tamper Protection	4-digit PIN	4-digit PIN	4-digit PIN	Key
Tripod Screw Mount	Yes	Yes	Yes	No	
Compliance	Compliance	CE, RoHS, FCC, BT, EN61010/61326	CE, RoHS, EN61010/61326	CE, EN61010/61326	
	Warranty	90 days	90 days	90 days	90 days

*ANSI-AARST MS-PC 2015