

MX-KIT090

Mini XT Radon

CO₂ - PM2.5 - TVOC - Radon - Temperature - Humidity - Air Pressure

Station adapted for establishments located in communes with category 2 and 3 potential radon risk. It can be placed on the lowest floor of the establishment and allows to complete the monitoring system and to manage this particular risk.

CO₂/CONFINEMENT	
Detection method	Non Dispersive Infrared spectrometry (NDIR)
Measuring range	0 to 5000 ppm
Resolution	1 ppm
Accuracy	± 50 ppm ± 3% of reading value
Response time 90%	< 30 seconds
FINE PARTICLES	
Detection method	Laser-based light scattering allowing PM 1/2.5 measurement and PM 4/10 estimation
Sampling method	Active
Measuring range	0 - 1000 µg/m ³
Resolution	1 µg/m ³
Accuracy	10 µg/m ³ (<100µg/m ³) or ± 10% of reading value (>100µg/m ³)
Particle detection range	0.3 µm - 10 µm
Sensor lifetime	> 8 years under typical conditions of use (schools, offices...)
TVOC (Total Volatile Organic Compounds)	
Detection method	Metal oxide semi-conductor (MOS)
Measuring range	0 - 128 ppm
Resolution	0.01 ppm
Accuracy	30%
RADON	
Detection method	Pulsed ionization chamber
Sampling method	Passive diffusion
Measuring range	4 Bq/m ³ - 3700 Bq/m ³
Resolution	2 Bq/m ³
Accuracy	± 10% 370 Bq/m ³
Response time 90%	1 hour
TEMPERATURE	
Type of sensor	CMOS
Measuring range	-55°C to +125°C
Resolution	0.08°C
Accuracy	± 2°C between -25°C and 100°C (±0.5°C after calibration)
HUMIDITY	
Type of sensor	Capacitive
Measuring range	0 to 95%
Resolution	0.08%
Accuracy	± 3% between 11% and 89% (± 7% for the rest of the range)
AIR PRESSURE	
Type of sensor	CMOS
Measuring range	260 to 1260 hPa
Resolution	± 0.02 hPa
Accuracy	± 2 hPa
GENERAL SPECIFICATIONS	
Sampling interval	10 minutes by default (customisable)
Conditions of use	Temperature between 0°C and +30°C. Humidity between 30 and 70 %
Approx. dimensions (LxIxh) / Total weight	190x135x70 mm / 500 grams
Power supply and autonomy	Plug-in power supply Optional : - back-up option: 1 x 5000 mA back-up battery in case of power cut - terminal block: low voltage power supply (DC 12V/24V - 300mA max)
Display	Flashing LED indicators, 3 colours on configurable CO2 thresholds + operating mode indication Real-time, wireless data transfer: - Via Bluetooth, or mobile application NEMo View (iOS / Android) - NEMo Cloud services via LoRaWAN or LTE Cat-M1 network
Data communication	Optional: - Data downloading from device's internal memory from USB port - Modbus RS485
System requirements	Operating system: Windows 7 or higher, Mac OS 10.9 or higher
Warranty	2 years excluding consumables
Maintenance	Annual field calibration with application calibrator (VOC) Change VOC sensor every two years
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