MX-KIT090

## Mini XT Radon

## CO<sub>2</sub> - 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.

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%  FINE PARTICLES  Detection method  Sampling method  Measuring range  Measuring range  Resolution  Active  Measuring range  Resolution  Accuracy  10 µg/m³ (<100µg/m³) or ± 10% of reading value (>100µg/m³)	'n
Measuring range     0 to 5000 ppm       Resolution     1 ppm       Accuracy     ± 50 ppm ± 3% of reading value       Response time 90%     < 30 seconds	n
Accuracy ± 50 ppm ± 3% of reading value  Response time 90% < 30 seconds  FINE PARTICLES  Detection method	'n
Response time 90%  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/m³  Resolution  1 µg/m³	n
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/m³  Resolution 1 µg/m³	n
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Sampling method         Active           Measuring range         0 - 1000 μg/m³           Resolution         1 μg/m³	
Measuring range $0 - 1000 \mu\text{g/m}^3$ Resolution $1 \mu\text{g/m}^3$	
Resolution 1 µg/m³	
1 3	
Accuracy 10 µg/m³ (<100µg/m3) or ± 10% or reading value (<100µg/m³)	
Destricted data street warms	
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 Bg/m <sup>3</sup> - 3700 Bg/m <sup>3</sup>	
Resolution 2 Bg/m <sup>3</sup>	
Accuracy ± 10% 370 Bq/m <sup>3</sup>	
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	
Type of sensor Capacitive Measuring range 0 to 95%	
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)	
Type of sensor  Measuring range 0 to 95%  Resolution 0.08%  Accuracy ± 3% between 11% and 89% (± 7% for the rest of the range)  AIR PRESSURE	
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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	
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	
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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 Conditions of use Approx. dimensions (LxIxh) / Total weight  190 x135 x70 mm / 500 grams	
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Type of sensor  Measuring range  0 to 95%  Resolution  0.08%  Accuracy  \$\frac{2}{3}\text{ between 11\text{ and 89\text{ (\$\frac{2}{3}\text{ for the rest of the range)}}}}\$  AIR PRESSURE  Type of sensor  Measuring range  260 to 1260 hPa  Resolution  \$\frac{2}{3}\text{ between 10\text{ and 89\text{ (\$\frac{2}{3}\text{ for the rest of the range)}}}}\$  CMOS  Measuring range  Resolution  \$\frac{2}{3}\text{ 200 to 1260 hPa}\$  Resolution  \$\frac{2}{3}\text{ hPa}\$  CENERAL SPECIFICATIONS  Sampling interval  Conditions of use  Temperature between 0°C and +30°C. Humidity between 30 and 70 %  190x135x70 mm / 500 grams  Plug-in power supply  Optional:  \$\frac{2}{3}\text{ beack-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 in the Real-time, wireless data transfer:  \$\frac{2}{3}\text{ Via Bluetooth, or mobile application NEMo View (iOS / Android)}{0\text{ NEMo Cloud services via LoRaWAN or LTE Cat-M1 network Optional:}}  **Data downloading from device's internal memory from USB port  **Modbus RS485	ndicatio
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