

MX-KIT040

# Mini XT Classic

CO<sub>2</sub> - PM<sub>2.5</sub> - TVOC - Temperature - Humidity - Air Pressure

This station is adapted to the specific requirements of certain labels that focus on the measurement of TVOCs rather than LVOCs.

CO <sub>2</sub> /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 <sup>3</sup>
Resolution	1 µg/m <sup>3</sup>
Accuracy	10 µg/m <sup>3</sup> (<100µg/m <sup>3</sup> ) or ± 10% of reading value (>100µg/m <sup>3</sup> )
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%
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 : <ul style="list-style-type: none"><li>- back-up option: 1 x 5000 mA back-up battery in case of power cut</li><li>- terminal block: low voltage power supply (DC 12V/24V - 300mA max)</li></ul>
Display	Flashing LED indicators, 3 colours on configurable CO2 thresholds + operating mode indication Real-time, wireless data transfer: <ul style="list-style-type: none"><li>- Via Bluetooth, or mobile application NEMo View (iOS / Android)</li><li>- NEMo Cloud services via LoRaWAN or LTE Cat-M1 network</li></ul>
Data communication	Optional: <ul style="list-style-type: none"><li>- Data downloading from device's internal memory from USB port</li><li>- Modbus RS485</li></ul>
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
Contents	1 wall-mounted station 1 5V power supply 1 user guide 1 NEMo Cloud User Manual