**Air quality monitors gas**

**Ethera Profil'Air IAQ Monitoring Kit**

***Description:***

Profil’air ® diagnostic kits include a new Formaldehyde (HCHO) measurement technology developed by Ethera\* and based on highly sensitive nanoporous materials. Performances are equivalent to chromatography methods, with a direct optical reading of sensors for instant results after exposure. The precision obtained allows to efficiently diagnose indoor air quality. It also offers optical reading module quantifies the color variation of the nanoporous sensors and transmits it digitally. It connects to a computer through its USB port. The associated Profil’air® Manager application allows the user to store and manage all of the data.

System Requirements : PC with Windows XP, Windows Vista or Windows 7, with 2 USB ports available

***Specification:***

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| Measured Gas:  | Formaldehyde (HCHO) |
| Measuring range: | 0- 2000 ppb (0- 2,5 mg/m3), according to the sensor |
| Resolution: | 0,1 ppb |
| Sensitivity: | up to 1 ppb, according to exposure time |
| Sampling method: | Active / Passive (depending on the module) |
| Sampling time: | 15min to 8h approx. in active mode. 8h to 7 days approx. In passive mode -according to the conditions and the desired accuracy- |
| Detection method: | Optical reading with nanoporous material |
| Comparison with DNPH\*reference method: | Difference < 10% in active modeDifference < 25% in passive mode |
| Exposure conditions: | Temperature between 15 and 40°CHumidity rate between 20 and 80% (HR) |
| Storage conditions: | Store between 2 and 8 °C |
| Total weight: | 2 kg |
| Power supply: | Optical reader : USB / AC |
| Included accessories: | Optical reading moduleProfil’air® manager softwareUSB barcode scannerCalibration sensorCarrying case |
| Dimensions of modules(Lxlxh approx.): | Optical reading module: 120 x 100 x 40 mmDynamic sampling module: 135 x 70 x 65 mmPump module: 135 x 70 x 40 mmAmbiant diffuser: 100 x 43 x 43 mmIndividual badge: 98 x 35 x 20 mmChamber for emmision measurement: 120 x 120 x 30 mm |
| System requirements: | PC with Windows XP or later version, with 2 USB ports available |
| Guarantee: | 1 year, parts and service |