

GR O U P E
T E R A



e-VOC Industry

Range of calibration : 0 – 200 ppm

PiD technology

Wireless sensors (RF)

Compact, Quiet

Main electricity or autonomous on battery

Real time measurement, control and alert of
Total Volatile Organic compounds (**VOct**)

Version 25/02/16

FONCTIONNALITIES

Measure in real time indoor Total Volatile Organic compounds (VOct) (equivalent to isobutylene or other VOC), as well as, temperature and relative humidity.

Control remotely up to 30 sensors simultaneously through wireless network

Parametrize your e-VOC sensor with the provided software (Soft'Air)

TERA CLOUD

Real time data **access and backup**

Remote field campaign **observation and control**

Data analysis: Mean, Median, Minimum, Maximum and tendency

Alerts in case of sensor problems (battery, data transmission..) and pollutant exceedance events

Automatic and adjustable **report Emission**

USE CASE

Diagnostic of indoor air quality (IAQ) in industrial environments

Monitoring continuously working area atmosphere in industries

Control remotely all the measured parameters



Technical specifications

e-VOC Industry

Range of use (T°C, HR)	+10°C... +40°C 30...70%
Accuracy (T°C, HR)	± 0.5°C (from 5 to 40°C) ± 3% (from 20 to 80% HR)
Total VOC	0 – 200 ppm (isobutylene) ; Qualitative beyond
Technology	Photo Ionization detection (10.6 eV)
Detection limit	0,1 ppm in volume
Uncertainties	+/- 5% of the measure
Calibration	Recommended every 3 months
Communication	Wireless : Radio frequency 802.15.4 (868MHz) Range : up to 300m without barrier, expandable with a signal expander(Repeat'Air)
Energy	Main electricity or rechargeable batteries
Minimum periodicity	2 min
Internal memory	1 month measurements (with 10min periodicity)
Battery lifetime	>15 days (with 10min periodicity)
Starting system	Through magnet – with LED control
Case dimension and weight	16 x 16 x 6 (cm) - 800 g