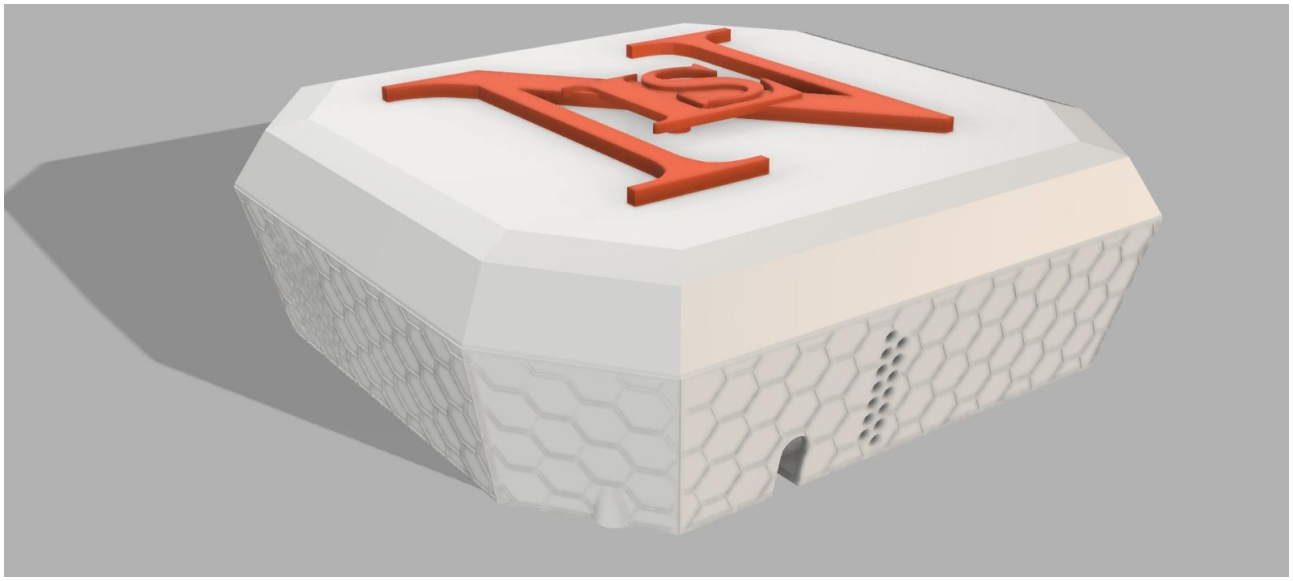


NetPID

Data sheet

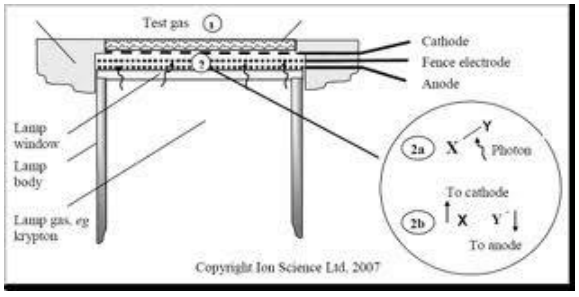
NetPID

HIGH SENSITIVITY VOC MONITORING STATION

Image for illustrative purposes.

NetPID is an autonomous environmental monitoring station suitable for creating complex networks. NetPID is based on the use of a sensitive photoionization detector (PID) capable of determining the presence of VOC) at ppb level.

Humidity sensor for real-time compensation of measurements



The performance of the sensor is due to a patented technology (called "fence electrode") capable of suppressing the non-specific contribution of humidity.
The fence electrode is able to continuously monitor the contribution of humidity and compensate for VOC measurements, making them more accurate.

PERFORMANCE	PID PPB	PID HS (High sensitivity)
Resolution	1 ppb	0.5 ppb
Range	0 – 40 ppm	0 – 3 ppm
Response time T90 (S)	< 8	< 12
Sensitivity	>30 mV/ppm	> 600 mV/ppm
Consumption	100 mW	100 mW
Features of the Lamp	10.6 eV 10,000 Hours	10.6 eV 10,000 Hours
Operating temperature	-40 – 65 °C	0 – 40 °C
Sensitivity to humidity	0 – 99% RH, non condensing	0 – 99% RH, non condensing

The control unit

The control unit is made of inert polymeric material capable of minimizing the influence of the external ambient temperature. The response and sensitivity of the sensors positioned inside the unit have been further optimized thanks to a fluid system designed to expose the photoionization detector to forced air circulation. There is also a filter at the suction point inlet to limit the influence of dust.

FEATURES	
Material	Inert
Dimension (H x L x W)	100 mm x 300 mm x 300 mm
Weight	2 Kg
Power supply	5 to 24 V ; 15 W
Data storage	Years depending on the setting
Comunication	3G / 4G (SIM card not included)

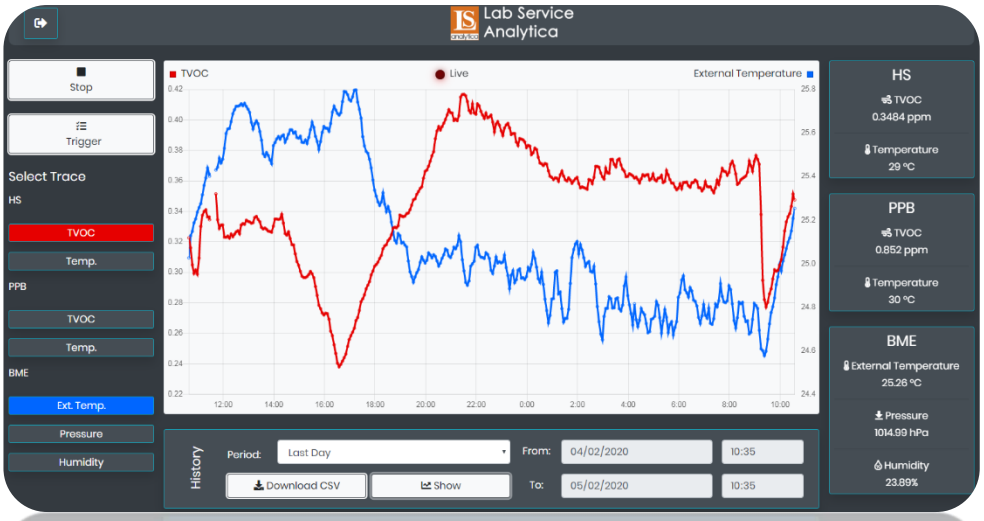
Data storage and communication system

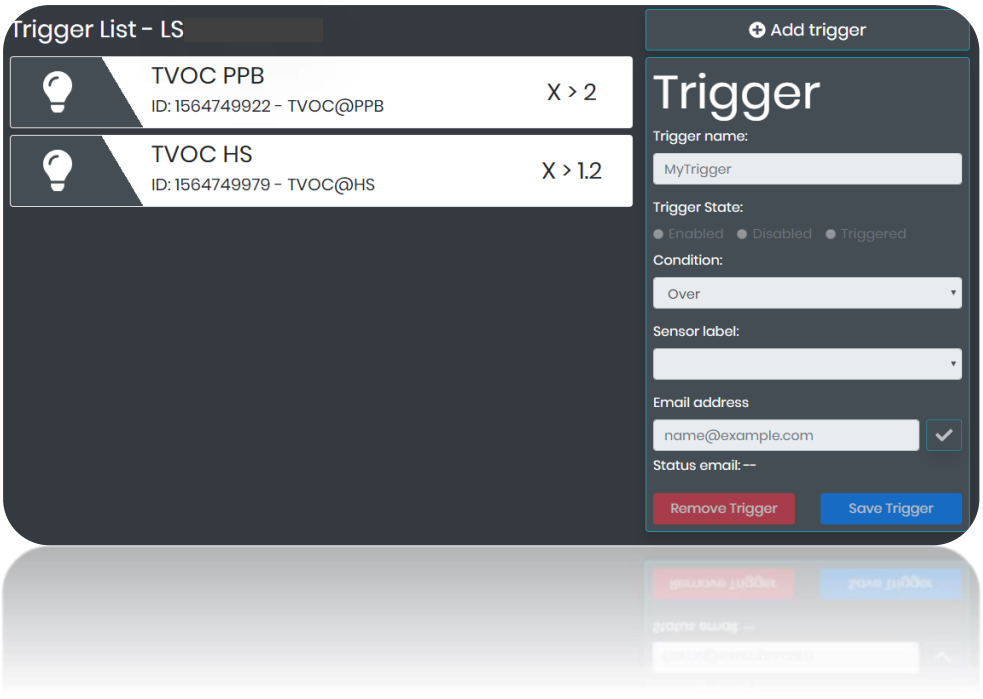
NetPID acquires every 5 seconds and stores the data of each sensor. The measurement history is available at any time thanks to the internal memory. NetPID can operate in two ways: autonomous (Stand-alone) and online.

Stand-alone mode is the operation mode if an internet connection is not available. You can have remote access to NetPID through the exposed access point and via the network interface, if it is connected via LAN cable or Wi-Fi.

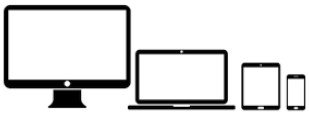
Online mode is available whenever NetPID has an Internet connection. All the features of the stand-alone mode are included. In addition, NetPID synchronizes and updates the data in real time with an online platform to view and download the collected data. Through the online platform it is also possible to set threshold values ("trigger") for each sensor and activate notifications via email

The online platform (OdorSens) allows:
- to view data in real-time [VOC (Volatile organic compounds), Temperature, relative Humidity and Pressure];
- to analyze the time series of all parameters at custom intervals
- to access the configuration and management section of the triggers;
- to download the displayed data as csv.file.





Online platform created for PC, tablet and smartphone.



Lab Service Analytica Srl
Via Emilia 51/c – 40011 Anzola dell'Emilia (BO)
T. +39 051 732351 – info@labservice.it

Copyright © Lab Service Analytica Srl – All rights reserved