

ProSystem N2Smart

Indoor Air Quality Insights.



Promote the Healthiness of Built Environment

The quality and safety of the built environment have to be assessed and made visible. Nuvap's solutions are able to provide insights and analytics about indoor environmental quality. Information and services provided by Nuvap enable IAQ management and facilitate the reporting within quality/wellbeing certification and sustainability frameworks.

ProSystem end-to-end solution

ProSystem solutions monitor, assess and communicate IAQ. Thanks to Nuvap's solutions, it is possible to detect and monitor, in a seamless way, the presence of both chemical and physical pollutants in workplaces, schools, hospitality and health care facilities or other private and public buildings where people spend regularly several hours per day. They enable an easy communication about IEQ.

ProSystem solution consists of a service platform supported by a range of extremely compact devices, with a simple design and uncomplicated management. Data are accessible via web and mobile app. API are available for integrations.

Nuvap Index

The Nuvap Index is an environmental health index developed by Nuvap to allow everyone to assess the air healthiness at a glance.

It has a value between 1 and 10 and takes into account many variables (concentration of each pollutant; changes; weight of each pollutant with respect to health effects, mix of unrelated pollutants).

The Technology

Nuvap's technology is protected by international patents, relating to the exclusive combined and constant monitoring of polluting agents, which may be present in the places where people spend regularly their time.

For more information please visit www.nuvap.com

N2Smart solution

N2Smart focuses on fundamental parameters of indoor air quality, allowing to monitor many factors such as CO₂ (for the adequacy of ventilation systems), TVOC (for the level of indoor pollution caused by people, materials and activities) and Particulate Matter (especially useful for monitoring the correct maintenance of the ventilation systems and their filter).

Physical Info

Dimensions: 95mm (D) x 45 mm (H)
 Operating Temperature -5°C to +40°C
 Storage Temperature: -5°C to +40°C
 Operating Humidity: 20% to 80% no condens.
 Storage Humidity: 20% to 80% non-condensing
 Deployment: Indoor

AC/DC Power Supply

NVP210: 110/220V 50/60Hz to 5VDC 3A USB-C
 NVP211: 110/220V 50/60Hz to 5VDC 3A

Connectivity:

WiFi 2.4 GHz 802.11 b/g WPA PSK;
 BTLE - only for configuration purpose;
 LTE Cat M1/Cat NB1/EGPRS
 850/900/1800/1900MHz

App OS: Android and iOS

Compliances:

CE
 RoHS
 EMC DIRECTIVE 2014/30/EU
 ETSI EN 300 328 V2.1.1 (clause 5.4.9.2.2)
 ETSI EN 301 489-1 V2.1.1
 ETSI EN 301 489-17 V3.1.1
 IEC 61010-1:2010 -
 EN 61010-1:2020 -
 EN 61326-1:2003
 LOW VOLTAGE DIRECTIVE 2014/35/EU

HW Ordering Info

NVP210 device with WiFi connectivity
NVP211 device with WiFi and LTE connectivity
NVP216 wall mount kit (power supply and wall plates)

FACTOR	WORKING RANGE	RESOLUTION
TVOC	0-60.000 ppb	1-32 ppb
CO ₂	0-5.000 ppm	1 ppm
PM ₁ PM _{2,5} PM ₁₀	0-1000ug/m ³	1 ug/m ³
RELATIVE HUMIDITY	0-100 %Rh	0,01%Rh
TEMPERATURE	-40 - +120°C	0,01°C